



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

Schlage Lock Company
6810 Hillsdale Court
Indianapolis, IN 46250

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Steelcraft Series "H16-4" Double Outswing glazed Steel Doors w / Sidelites & Transom

APPROVAL DOCUMENT: Drawing No "975W" Rev L, titled "H-16 4 FG 6070 outswing Doors w/ Sidelites & Transom", sheets 1 through 19 of 19, prepared by the manufacturer, dated 02-23-03 and last revised on 07/11/2023, signed and sealed by Hermes F. Norero, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact

Limitations:

1. See Design Pressures, Sizes and DLO (Day light Opening) limitations in sheets **1, 5, 6 & 7** of the drawings.
2. Doors are not rated for Water infiltration, unless covered by overhang complying w/ FBC requirements.
3. New Von Duprin HH9954 model must meet min thickness and strength as listed in sheet **2**. Drop-in or expansion mullion anchor assembly must be from the anchor manufacturer (No substitution parts permitted).
4. Base anchors at both frame Jambs (detail **A**, sheet **10 & 14**) and door Mullion base anchors (detail **B**, sheet **10** thru **14**) are required, in addition to anchors at Sidelite detail **C**, in sheets **10** thru **14**.
5. Electrical/Electronic functions and Fire ratings are **not** part of this approval, such functions to be reviewed and approved by AHJ.
6. The top strike plates **338** can be used w/wo roller option for Von Duprin Concealed Vert. Rod Panic, in sheet **15**.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, Cincinnati, Ohio and Series and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises NOA #22-0414.18** and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4, E-5, E-6, E-7 and E-8, as well as approval document mentioned above.

The submitted documentation was reviewed by **Sifang Zhao, P. E**



S. Z.
12/07/2023

NOA No. 23-0821.15
Expiration Date: May 05, 2025
Approval Date: December 07, 2023
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous approvals

A. DRAWINGS

1. Manufacturer's parts and sections drawings (Submitted under file as below).
2. Drawing No "975W" Rev F, titled "H-16 4 FG 6070 outswing Doors w/ Sidelites & Transom", sheets 1 through 17 of 17, prepared by the manufacturer, dated 02-23-03 and last revised on 09/09/15, signed and sealed by Thomas Gordon, P.E.

B. TESTS (Submitted under files #14-0827.04/#14-0221.03/#13-0826.02 /#12-0305.07/# 08-0715.03)

1. Test report on

- 1) Air Infiltration Test, per TAS 202-94
- 2) Uniform Static Air Pressure Test, Loading per TAS 202-94
- 3) Large Missile Impact Test per FBC, TAS 201-94
- 4) Cyclic Wind Pressure Loading per FBC, TAS 203-94
- 5) Forced Entry Test, per PA 202-94

Along with manufacturer's parts and section drawings of Single outswing steel doors w/ Stainless steel continuous Hinges & modified Hat stiffeners, marked by Certified Testing Lab, Test Reports No(s). **CTLA-3045W** dated February 16, 2015, signed and sealed by Ramesh Patel, P.E.

- 2. Test report on**
- 1) Air Infiltration Test, per TAS 202-94
 - 2) Water Resistance Test per FBC TAS 202-94(Not conducted)
 - 3) Uniform Static Air Pressure Test, Loading per TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC, TAS 202-94

Along with manufacturer's parts and section drawings of double-glazed outswing steel doors w/ sidelites & Transom, marked by Certified Testing Lab, Test Reports No(s). **CTLA-975W** dated Jan 23, 2003 and **CTLA-776W-1** dtd April 25, 2002, both signed & sealed by Ramesh Patel, P.E.

3. Reference Test report

- 1) Air Infiltration Test, per TAS 202-94
- 2) Uniform Static Air Pressure Test, Loading per TAS 202-94
- 3) Large Missile Impact Test per FBC, TAS 201-94
- 4) Cyclic Wind Pressure Loading per FBC, TAS 203-94
- 5) Forced Entry Test, per PA 202-94

Along with manufacturer's parts and section drawings of double-glazed outswing steel doors, marked by Certified Testing Lab, Test Reports No(s). **CTLA-776W** dated February 20, 2002, **CTLA-975W** dated Jan 23, 2003, **CTLA-882W** dated Aug 29, 2002, **CTLA-1035W** dated May 28, 2003 and, **CTLA-1086-W** dated Nov. 17, 2003 and **CTLA-1107W-3** dated June 30, 2004, all signed and sealed by Ramesh Patel, P.E.

Note: Test report CTLA-1035W has been revised by an addendum letter dated Feb 20, 2009, signed and sealed by Ramesh Patel, P.E. Along with manufacturer's parts and section drawings of glazed outswing double steel doors, marked by Certified Testing Lab, Test Reports No(s). **NCTL-210-3232-1** dated 02/24/06 and **NCTL-210-3357-1** dated Dec 28, 2006, signed and sealed by Gerard J. Ferrara, P.E.

- 4 Additional Reference test report No. CTLA-1107W for strap anchor qualification.**



Sifang Zhao, P.E.
Product Control Examiner
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C. CALCULATIONS:

1. Anchor verification calculations per FBC 2014 (5th Edition) dated 09/09/15 prepared, signed & sealed by Thomas Gordon., P.E.
2. Hinge Load Evaluation report dated 01/04/04, prepared, signed & sealed by Thomas Gordon, P.E.

D. QUALITY ASSURANCE BY

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS (items 4 thru6, submitted under file # 13-0826.02 /#12-0305.07)

1. Notice of Acceptance No. **13-0717.01** issued to **Sabic Innovative Plastics** for their “**Lexan® Polycarbonate Sheet Products**”, expiring on July 17, 2018.
2. Notice of Acceptance No. **14-0916.11** issued to Kuraray America, Inc. (former E.I. DuPont DeNemours & Co., Inc.) for the “**Sentry Glass ® Interlayer**”, expiring on 07/4/17.
3. Test Report No. **12-11177**, Nov 29, 2012, issued by Commercial Testing Co. for “Surface Flame spread & Smoke density Characteristics of Building material” per ASTM E84-12 for “Elfoam P200”, issued to Elliott Co. of Indianapolis Inc.
4. Test Report No. **16206-122543 (1015P200(3))**, dated November 29, 2004 for “Surface Burning Characteristics of Bldg material” per ASTM E84 and self-Ignition per ASTM 1929D for “Polyisocyanurate” issued by Omega Point Laboratories, Inc. to Elliot Co., Indianapolis, IN.
7. Tensile test report # CTLA-776W (0194H), dtd 02/25/02 prepared by CTL, Architectural Division, sheet samples, tested per ASTM E8, signed & sealed by Ramesh Patel, P.E.
6. Test Report No. **3094867SAT-001**, April 13, 2006, issued by Intertek for “Surface Burning Characteristics of Building material” per ASTM E84 and self-Ignition per ASTM 1929D for “EPS”, issued to Falcon Foam, a Div of Atlas Roofing, re-named as “ATLAS EPS”.

F. STATEMENTS: Except items #1, balanced items submitted under file #13-0826.02)

1. Letter of conformance to FBC 2014 (5th Edition), dated 09/09/15, prepared, signed and sealed by Gordon Thomas, P.E.
2. Statement letter dated Nov. 26, 2013 issued by Ingersoll-Rand for name change, signed by Jim Donlan, Compliance Engineer.
3. Ingersoll–Rand press release, dated 12/10/12, integrating the brands of Ingersoll–Rand and Schlage among others.
4. Department of State Certification of Reinstatement for **SCHLAGE LOCK COMPANY, LLC** as a limited liability company, active and organized under the laws of the State of Florida, dated 03/17/06 and filed with the Secretary of State
5. Certification of Formation dated 12-08-2003 of Schlage Lock Company, LLC, issued by Secretary of State of Delaware.
6. Laboratory Compliance statement issued as part of the above test reports.

G. OTHER

1. This NOA **revises & renews NOA #14-0827.04**, expiring on 05/05/20.
2. Ref: completed test report # **ESP011331P2** per T.P. # **12-0844 R** to be submitted within 1-Yr
3. Test proposals # **14-0252**, **-0254**, **#14-1086**, **#14-0254-R1** and **#12-0797R** approved by RER.
4. Previously consolidates NOA #(s) associated with these files are **#14-0221.03/ #13-0826.02 / #12-0305.07/# 08-0715.03** and **# 03-0611.04**.



Sifang Zhao, P.E.
Product Control Examiner
NOA No. 23-0821.15
Expiration Date: May 05, 2025
Approval Date: December 07, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. Evidence submitted under previous approvals.

A. DRAWINGS

1. Drawing No “**975W**” **Rev G**, titled “H-16 4 FG 6070 outswing Doors w/ Sidelites & Transom”, sheets 1 through 17 of 17, prepared by the manufacturer, dated 02-23-03 and last revised on 04/24/18, signed and sealed by Hermes F. Norero, P.E.

B. TESTS

1. Additional Test report on
 - 1) Uniform Static Air Pressure Test, Loading per TAS 202-94
 - 2) Large Missile Impact Test per FBC, TAS 201-94
 - 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 4) Forced Entry Test, per PA 202-94

Along with manufacturer’s parts and section drawings of double flush outswing steel doors, marked by National Certified Testing Lab, Test Reports No. **NCTL-210- 3580-2**, dated March 25, 2009, signed and sealed by Gerry Ferrara, P. E.

Along with manufacturer's parts and section drawings of glazed outswing double steel doors, marked by Certified Testing Lab, Test Reports No(s). **NCTL-210-3232-1** dated 02/24/06 and **NCTL-210-3357-1** dated Dec 28, 2006, signed and sealed by Gerard J. Ferrara, P.E.

2. Additional verification test **NCTL-210-3549-1** for VonDuprin HH9954 mullion per TAS 202, 201 & 203, issued by National Certified Testing, signed & sealed by Gerry Ferrara, P. E.
3. Additional Reference test report No. CTLA-1107W for strap anchor qualification.

C. CALCULATIONS:

1. Anchor verification calculation complying w/ FBC 2017(6th Edition) dated 11/18/2017, 03/18/18 and last revised on 04/09/18, prepared by Building Drops, signed & sealed by Hermes F. Norero., P.E.

D. QUALITY ASSURANCE BY

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS:

1. None.

F. STATEMENTS: (items # 4 thru 6, submitted under file # **17-1026.24)**

1. Letter statement dated April 03, 2018, issued by Allegion for future catalog update and inclusive of the upgrading of Von Duprin HH 9954 mullion, signed by Jim Donlan, Compliance Engineer.
2. Letter of conformance to FBC 2014 (5th Edition) and FBC 2017 (6th Edition), dated 10/09/18, prepared by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E
3. Letter of adoption of another Engineer’s work per FLA rule 61G15-27, dated 10/09/2017, prepared by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E.
4. Ingersoll–Rand press release, dated 12/10/12, integrating the brands of Ingersoll–Rand and Schlage among others.
5. Department of State Certification of Reinstatement for **SCHLAGE LOCK COMPANY, LLC** as a limited liability company, active and organized under the laws of the State of Florida, dated 03/17/06 and filed with the Secretary of State.
6. Certification of Formation dated 12-08-2003 of Schlage Lock Company, LLC, issued by Secretary of State of Delaware.



Sifang Zhao, P.E.
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F. STATEMENTS (continue):

7. Statement letter dated Nov. 26, 2013 issued by Ingersoll-Rand for name change, signed by Jim Donlan, Compliance Engineer.
8. Letter of certification dated 04/20/10, issued by Ingersoll-Rand for electronic CO lock series mechanical /functional parts same as AD, ND and AD-M series.
9. Addendum letters dated Feb 20, 2009 for test reports Test report CTLA-1035W, issued by Certified Testing lab, signed and sealed by Ramesh Patel, P.E.
10. Addendum letter dated DEC 19, 2011, issued by Certified Testing Lab verifying wire anchors, strength of grout, stud anchor, Strike plate and MA series Mortise Lock, supplemented w/ marked-up drawings, signed and sealed by Ramesh Patel, P.E.

G. OTHER

1. This NOA **revises & renews NOA #15-0930.06**, expiring on 05/05/20.
2. Test proposals **#14-0251, #14-0252-R, 14-0253, #14-0254-R1, #14-1086** and **#12-0797R** approved by RER.
3. Consolidation Test proposal **# 06-2468**, dated 04/27/07 approved by BCCO.
4. Technical brochures of butt Hinges, continuous Hinges, Schlage & Falcon Mortise Locks, Supplied by Schlage Company (former Ingersoll-Rand).
5. Allegion's (Schlage/ Former Ingersoll-Rand) future updated HH9954 Von-Duprin Mullion catalog.

3. Evidence submitted under file # 18-0828.06.

A. DRAWINGS

1. Drawing No **"975W" Rev H**, titled "H-16 4 FG 6070 outswing Doors w/ Sidelites & Transom", sheets 1 through 19 of 19, prepared by the manufacturer, dated 02-23-03 and last revised on 01/06/2019, signed and sealed by Hermes F. Norero, P.E.

B. CALCULATIONS

1. None

C. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

D. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **18-0207.07** issued to **Sabic Innovative Plastics US, LLC** for their **"Lexan® Polycarbonate Sheet Products"**, expiring on July 17, 2023.
2. Notice of Acceptance No. **17-0808.02** issued to Kuraray America, Inc. (former E.I. DuPont DeNemours & Co., Inc.) for the **"Sentry Glass ® Interlayer"**, expiring on 07/04/23.

E. STATEMENTS

1. Statement letter of conformance to FBC 2017 (6th Edition) dated 09/20/17, prepared by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E. (submitted under file **# 17-0426.04**).
2. Statement letter dated AUG 02, 2018, issued by Building Drops, Inc, in reference to 9954 mullions rename to HH9954 mullion and thickness from 1/8" to 5/16", signed and sealed by Hermes F. Norero, P.E.
3. Statement letter dated April 03, 2018, issued by Allegion for updating of HH9954 mullion into the company's catalog, signed by Jim Donlan, Compliance Engineer.

F. OTHER

1. This NOA **revises NOA # 17-0426.04**, expiring 05/05/20.



Sifang Zhao, P.E.
Product Control Examiner
NOA No. 23-0821.15
Expiration Date: May 05, 2025
Approval Date: December 07, 2023

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4. Evidence submitted under previous NOA.

A. DRAWINGS

1. Drawing No “**975W**” **Rev H**, titled “H-16 4 FG 6070 outswing Doors w/ Sidelites & Transom”, sheets 1 through 19 of 19, prepared by the manufacturer, dated 02-23-03 and last revised on 01/06/2019, signed and sealed by Hermes F. Norero, P.E.

B. TEST

1. Test report on

- 1) Uniform Static Air Pressure Test, Loading per TAS 202-94
- 2) Large Missile Impact Test per FBC, TAS 201-94
- 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94

Along with manufacturer’s parts and section drawings of Single outswing Flush steel doors w/ SVR and top Strike #338 w/roller, issued by UL Testing Lab, Test Reports No(s). **SV31245-20190521** dated SEP 03, 2019, signed and sealed by Alex Spyrou, P.E.

Along with manufacturer's parts and section drawings of Single outswing glazed steel doors w/ SVR and top Strike #338 w/roller, issued by UL Testing Lab, Test Reports No(s). **SV31245-20190624** dated SEP 03, 2019, signed and sealed by Alex Spyrou, P.E.

C. CALCULATIONS

1. None

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

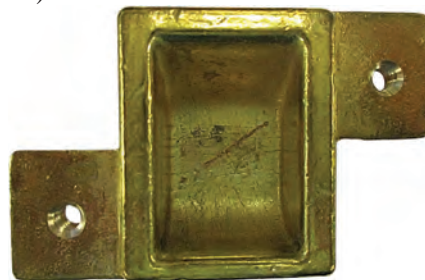
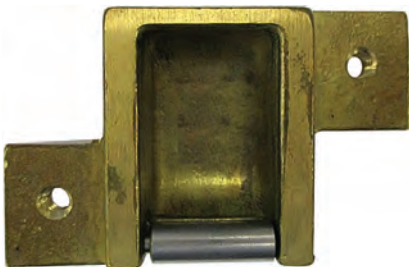
1. None

F. STATEMENTS (submitted under file # **17-0426.04**)

1. Statement letter of conformance to FBC 2017 (6th Edition) dated 09/20/17, prepared by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E.
2. Statement letter dated AUG 02, 2018, issued by Building Drops, Inc, in reference to 9954 mullion rename to HH9954 mullion and thickness from 1/8” to 5/16”, signed and sealed by Hermes F. Norero, P.E.
3. Statement letter dated April 03, 2018, issued by Allegion for updating of HH9954 mullion into the company’s catalog, signed by Jim Donlan, Compliance Engineer.

G. OTHER

1. This NOA **revises NOA # 18-0828.06**, expiring 05/05/20.
2. Optional CVR top strikes #338 w/wo Roller (see below)



Signature

Sifang Zhao, P.E.
Product Control Examiner
NOA No. 23-0821.15
Expiration Date: May 05, 2025
Approval Date: December 07, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. Evidence submitted under previous approval.

A. DRAWINGS

1. Drawing No “**975W**” **Rev I**, titled “H-16 4 FG 6070 outswing Doors w/ Sidelites & Transom”, sheets 1 through 19 of 19, prepared by the manufacturer, dated 02-23-03 and last revised on 03/04/2020, signed and sealed by Hermes F. Norero, P.E. (Note: This renewal is with address change only).

B. TEST

1. None.

C. CALCULATIONS (submitted under file # 18-0828.06)

1. None.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **18-0207.07** issued to **Sabic Innovative Plastics US, LLC** for their “**Lexan® Polycarbonate Sheet Products**”, expiring on July 17, 2023.
2. Notice of Acceptance No. **17-0808.02** issued to Kuraray America, Inc. (former E.I. DuPont DE Nemours & Co., Inc.) for the “**Sentry Glass ® Interlayer**”, expiring on 07/04/23.

F. STATEMENTS (submitted under file # 17-0426.04)

1. Statement letter of conformance to FBC 2017 (6th Edition) dated 09/20/17, prepared by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E.
2. Statement letter dated AUG 02, 2018, issued by Building Drops, Inc, in reference to 9954 mullion rename to HH9954 mullion and thickness from 1/8” to 5/16”, signed and sealed by Hermes F. Norero, P.E.
3. Application request of address change only by Schlage Lock company, signed by Donlan James.

G. OTHER

1. This NOA **revises & renews NOA #19-1016.01**, expiring on 05/05/2025.



Sifang Zhao, P.E.
Product Control Examiner
NOA No. 23-0821.15
Expiration Date: May 05, 2025
Approval Date: December 07, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. Evidence submitted under previous approval.

A. DRAWINGS

1. Drawing No “**975W**” **Rev J**, titled “H-16 4 FG 6070 outswing Doors w/ Sidelites & Transom”, sheets 1 through 19 of 19, prepared by the manufacturer, dated 02-23-03 and last revised on 01/29/2021, signed and sealed by Hermes F. Norero, P.E.

B. TEST

1. None.

C. CALCULATIONS

1. Hilti’s anchor verification calculation dated 05/04/2022, using Hilti’s software prepared by Building drops, Inc, signed and sealed by Hermes F. Norero, P.E.
(Submitted under NOA#22-0414.18)

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **18-0207.07** issued to **Sabic Innovative Plastics US, LLC** for their “**Lexan® Polycarbonate Sheet Products**”.
2. Notice of Acceptance No. **17-0808.02** issued to Kuraray America, Inc. (former E.I. DuPont DE Nemours & Co., Inc.) for the “**Sentry Glass® Interlayer**”, expiring on 07/04/23.

F. STATEMENTS

1. Statement letter of conformance to FBC 2020 (7th Edition) dated 01/29/20, prepared by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E.
2. Statement letter dated AUG 02, 2018, issued by Building Drops, Inc, in reference to 9954 mullion rename to HH9954 mullion and thickness from 1/8” to 5/16”, signed and sealed by Hermes F. Norero, P.E.
(submitted under previous approval)
3. Statement letter via e-mail dated 02/18/21, issued by Allegion agreeing one-year conditional approval.

G. OTHER

1. This NOA revises NOA #20-0310.01, expiring on 05/05/2022.



Sifang Zhao, P.E.
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NOA No. 23-0821.15
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

6. New Evidence submitted.

A. DRAWINGS

1. Drawing No “**975W**” **Rev L**, titled “H-16 4 FG 6070 outswing Doors w/ Sidelites & Transom”, sheets 1 through 19 of 19, prepared by the manufacturer, dated 02-23-03 and last revised on 07/11/2023, signed and sealed by Hermes F. Norero, P.E.

B. TEST

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **21-1109.01** issued to **Sabic Innovative Plastics US, LLC** for their “**Lexan® Polycarbonate Sheet Products**”, expiring 04/01/26.
2. Notice of Acceptance No. **23-0717.30** issued to Kuraray America, Inc. for the “**Sentry Glass ® Interlayer**”, expiring on 07/04/28.

F. STATEMENTS

1. Statement letter of conformance to FBC 2023 (8th Edition) and of no financial interest dated 07/13/2023, prepared by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E.

G. OTHER

1. This NOA **revises NOA #22-0414.18**, expiring on 05/05/2025.



Sifang Zhao, P.E.
Product Control Examiner
NOA No. 23-0821.15
Expiration Date: May 05, 2025
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1. THESE PRODUCTS HAVE BEEN TESTED TO HVHZ PROTOCOLS TAS 201,
202 & 203-94 AND COMPLY WITH THE 8TH EDITION (2023) FLORIDA
BUILDING CODE

R E V I S I O N S				
LTR	DESCRIPTION		DATE	APPROVED
C	REV'D DWGS.		09/12/08	
J	2020 FBC UPDATE	NUS	07/03/20	
K	STRIKE UPDATE	LL	04/06/22	
L	2023 FBC UPDATE	DL	07/11/23	

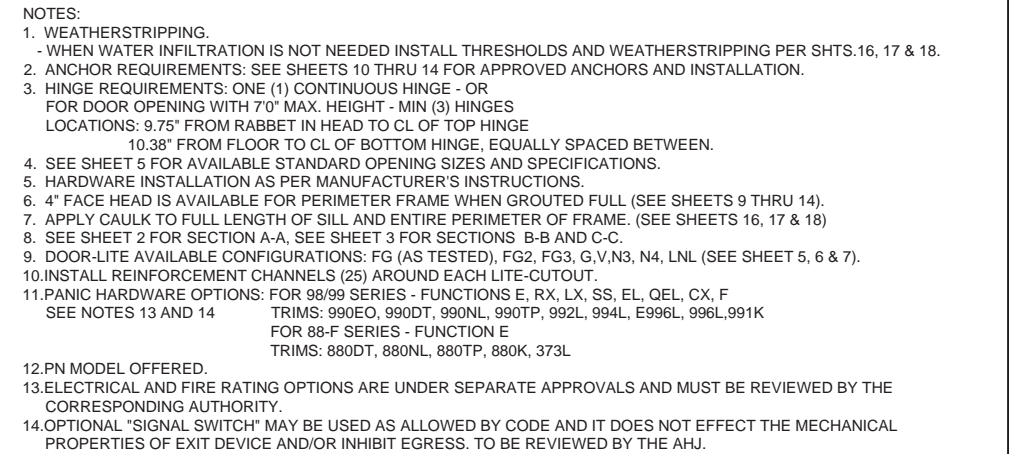
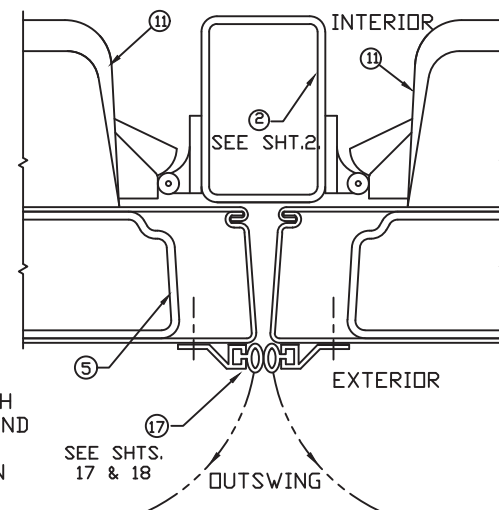



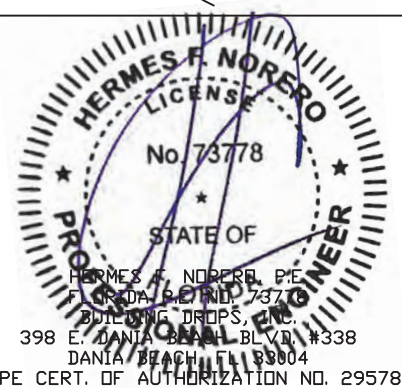
Diagram illustrating the typical door sill installation (see sheets 10 thru 14 & 19 for sidelite sill installation see sheets 10 thru 14).


The diagram shows a cross-section of the door sill assembly, including the interior and exterior views. Key dimensions and components are labeled:

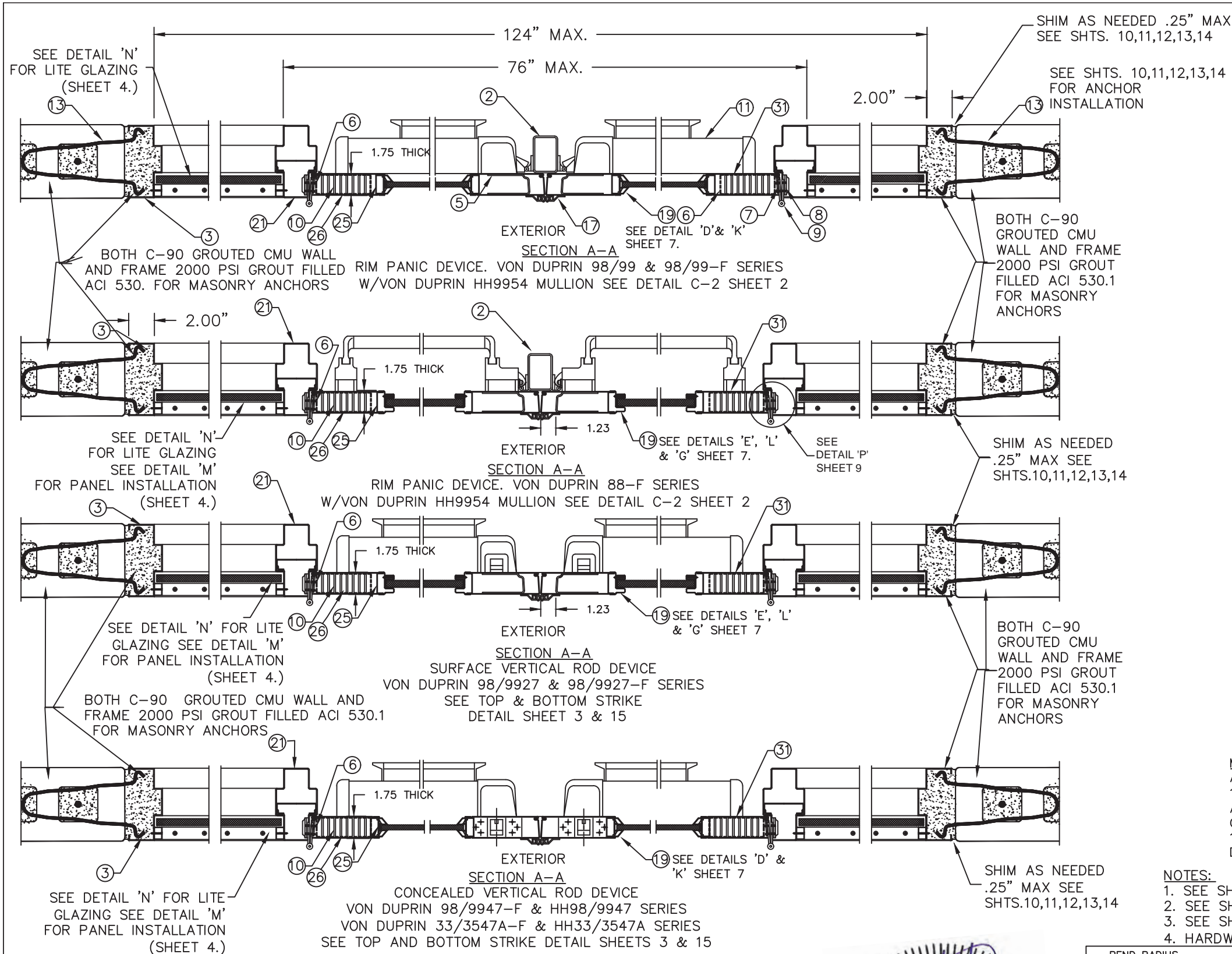
- Interior View:**
 - Callout 18 points to the interior door frame.
 - Callout 2 points to the interior door sill.
 - Callout 12 points to the interior door frame.
 - Dimension: 6 SPA @ 11" (6 spaces at 11 inches).
 - Text: INTERIOR.
- Exterior View:**
 - Callout 3 points to the exterior door frame.
 - Dimension: 5.75' NOM. (Nominal).
 - Dimension: 4" TYP. (Typical).
 - Text: EXTERIOR.
- Assembly Details:**
 - 1/4" X 1-3/4" ITW BUILDDEX OR RED HEAD TAPCON OR #14 X 1-3/4" WOOD SCREW (6) PLACES.



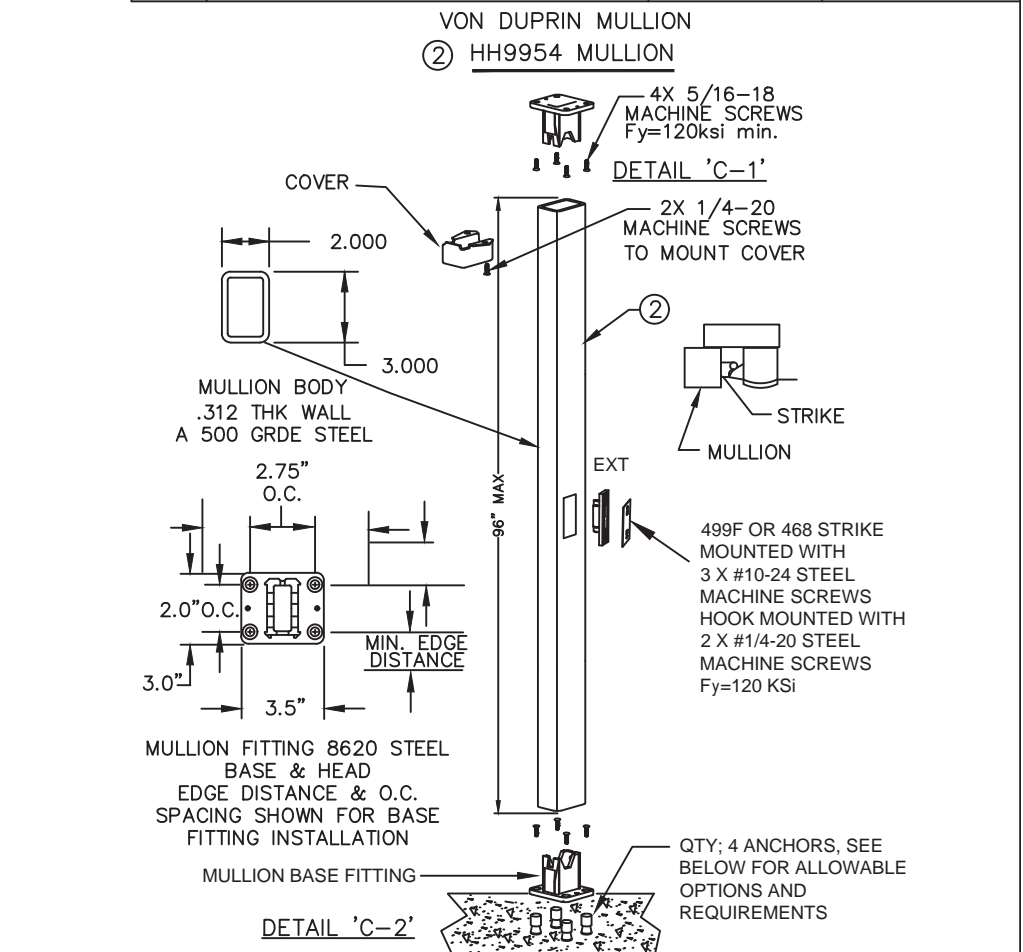
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0821.15
Expiration Date 05/05/2025
By 
Miami-Dade Product Control



BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING LOCATION: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
		TITLE STEELCRAFT H SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM AND SIDELITE FRAME			
THIRD ANGLE PROJECTION		H16 4 FG SINGLE & 6070 DOUBLE DOORS (OUTSWING)			
DRAWN YMF	DATE 02.24.03	FULL GLASS CONFIGURATION			
CHECKED		WITH SIDE AND TRANSOM PANEL/LITES			
		AND EXIT HARDWARE			
APPROVED		SIZE	FLAT	DWG NO. 975W	SHEET 1 OF 19
ENG. APPVL		SCALE:	NTS	AUTOCAD	REV L



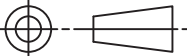
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C	REV'D DWG.	08/26/08		
H	REVISION	07/27/18		
J	2020 FBC UPDATE	NUS	07/03/20	
K	ANCHOR UPDATE	LL	04/06/22	
L	2023 FBC UPDATE	OL	07/11/23	

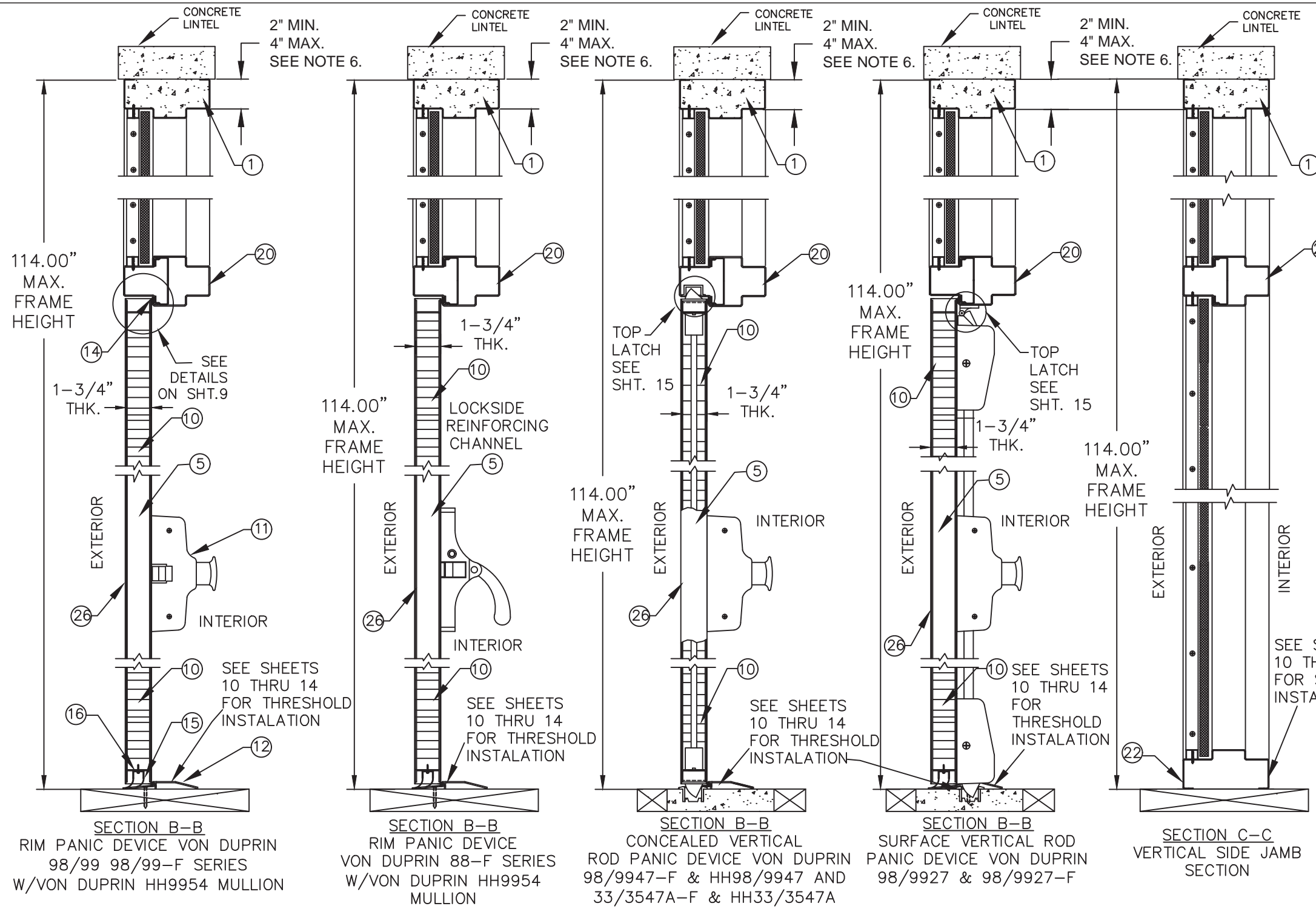


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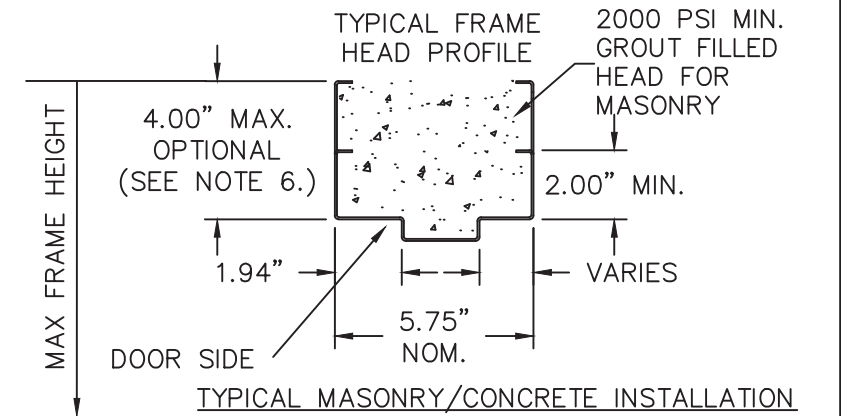
1. SEE SHTS. 1, 5, 9 & 19 FOR ELEVATION, MATERIAL AND HINGE OPTIONS.
2. SEE SHTS. 10 THRU 14 FOR WALL CONSTRUCTION AND ANCHORING SYSTEM.
3. SEE SHTS. 5 & 9 FOR AVAILABLE OPENING SIZES, JAMB DEPTHS & SPECS.
4. HARDWARE INSTALLATION IS PER MANUFACTURER'S INSTRUCTIONS.

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Building Code
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Expiration Date 05/05/2025
By *[Signature]*
Miami-Dade Product Control

BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING LOCATION: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242		
						
THIRD ANGLE PROJECTION						
DRAWN YMF	DATE 02.24.03	TITLE STEELCRAFT H SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM AND SIDELITE FRAME CROSS SECTION OF DOOR AND FRAME EXIT HARDWARE H-SERIES FG SINGLE AND 6070 DOUBLE DOORS FULL GLASS CONFIGURATION W/ SIDE AND TRANSOM LITES/PANEL				
CHECKED						
APPROVED		SIZE	FLAT	DWG NO. 975W	SHEET 2 OF 19	REV L
ENG. APPVL		SCALE: NTS		AUTOCAD		

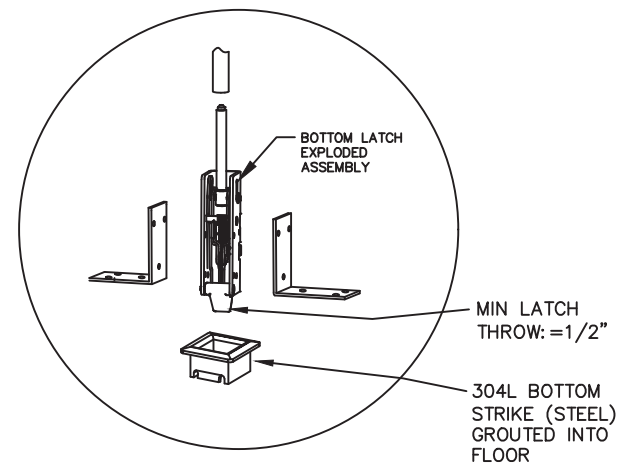
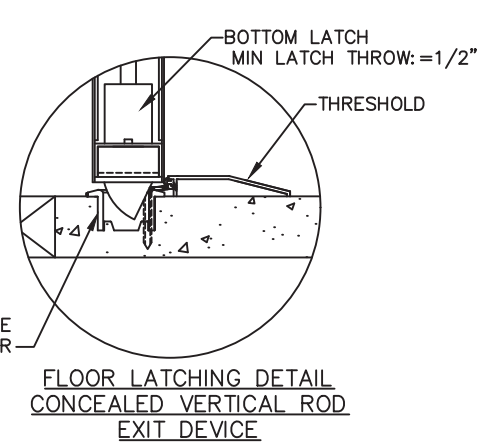
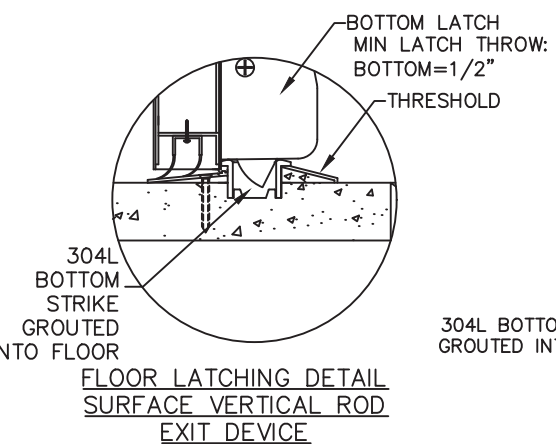


R E V I S I O N S			
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J	2020 FBC UPDATE	NUS 07/03/20	
L	2023 FBC UPDATE	OL 07/11/23	

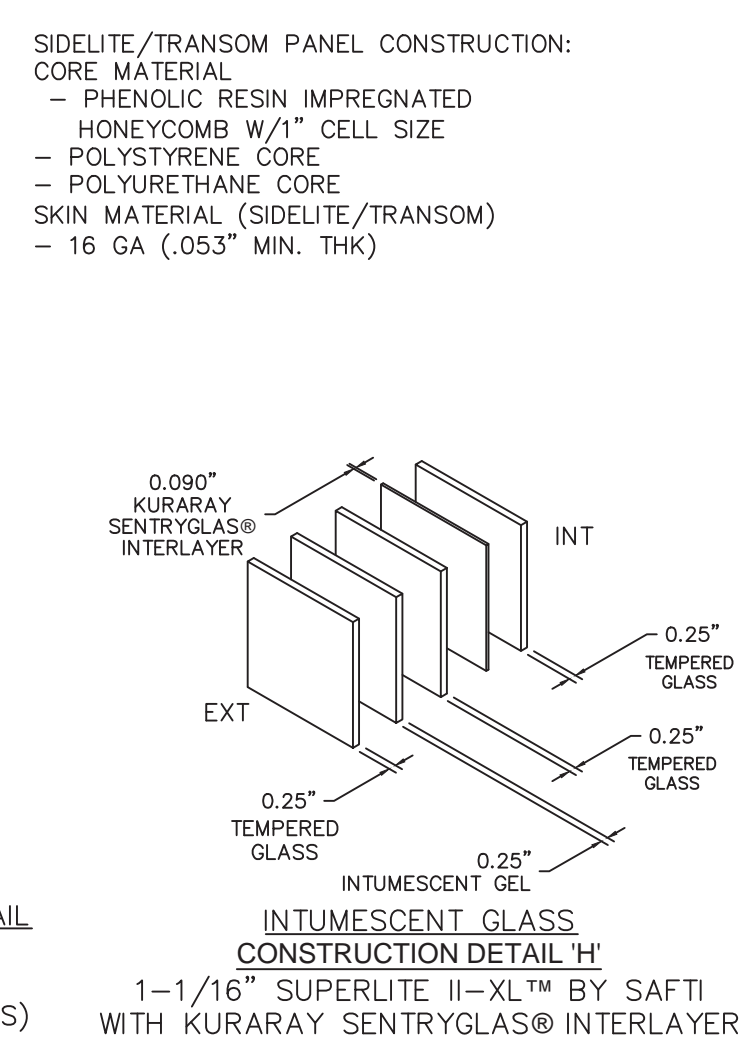
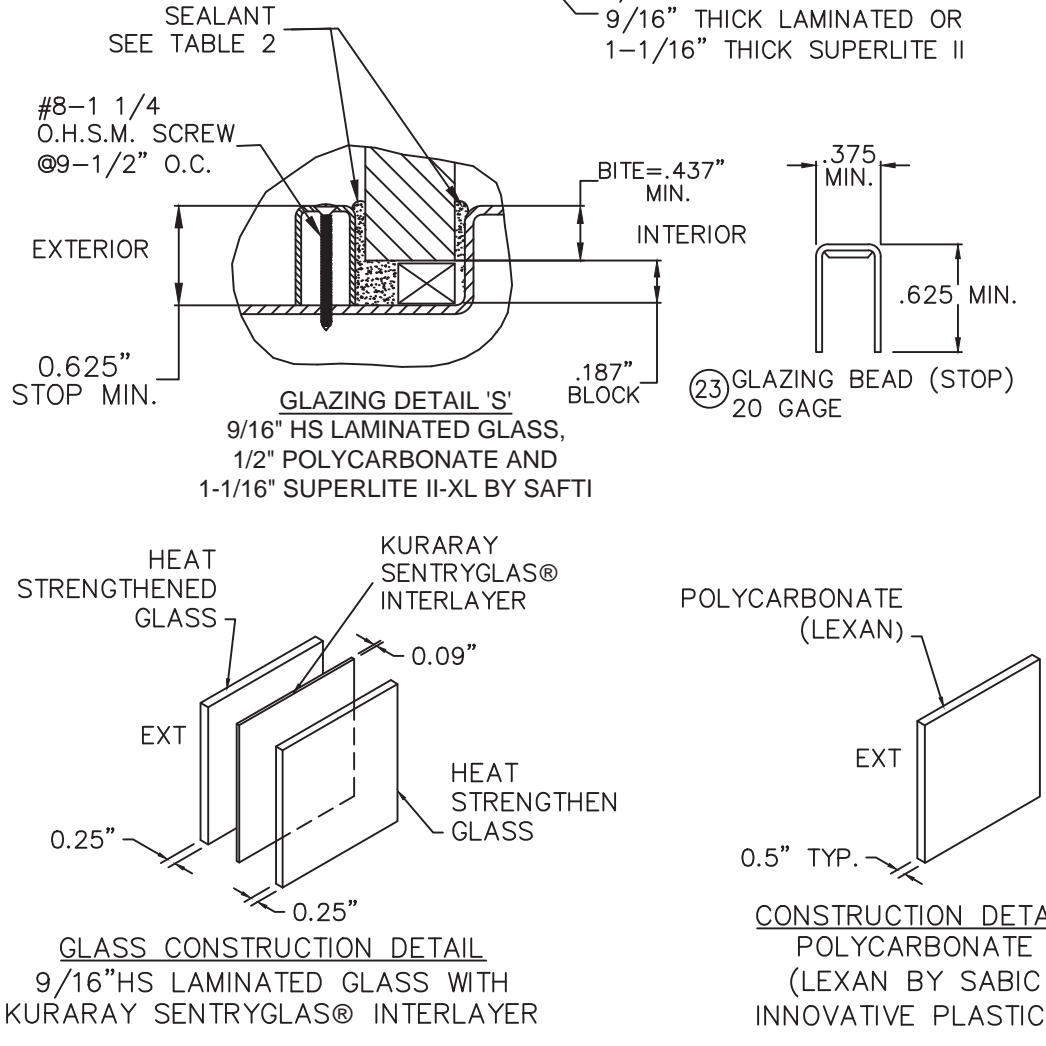
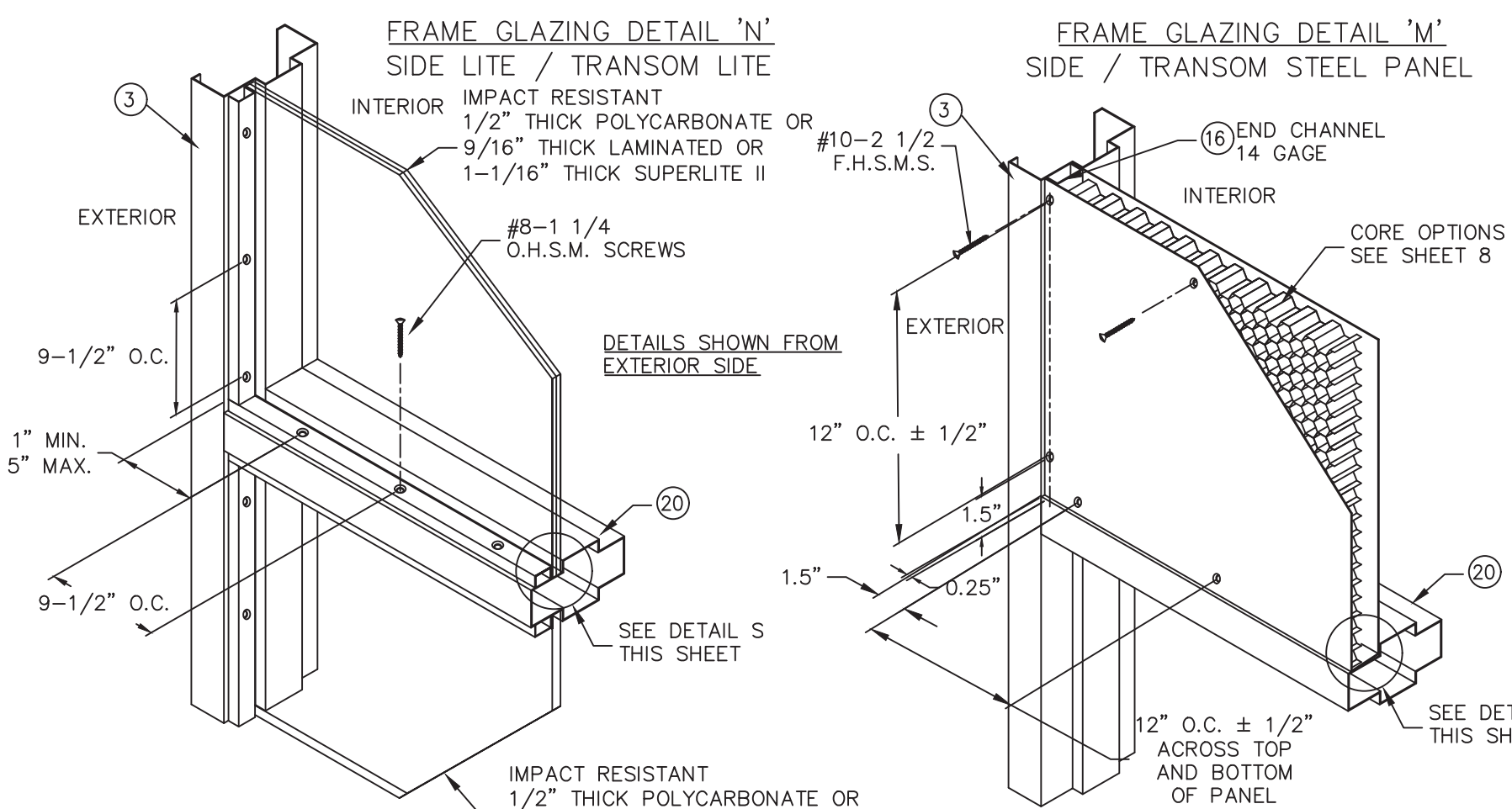


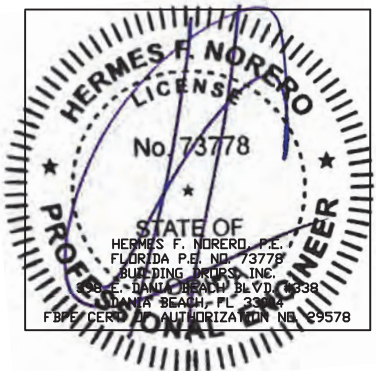
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- NOTES:
1. SEE SHTS.1, 5, 9 & 19 FOR ELEVATION, MATERIAL & HINGE OPTIONS
 2. SEE SHT.1 NOTE 2. FOR ANCHOR REQUIREMENTS
 3. SEE SHTS. 10 THRU 14 FOR WALL CONSTRUCTION AND ANCHORING SYSTEMS
 4. SEE SHTS. 5 & 9 FOR AVAILABLE OPENING SIZES, JAMB DEPTHS AND SPECIFICATIONS
 5. HARDWARE INSTALLATION IS PER MANUFACTURER'S INSTRUCTIONS.
 6. HEAD SECTION CAN HAVE 2" OR 4" FACE HEAD WHEN GROUTED FULL WITH 2000 PSI GROUT, WITHIN MAX FRAME HEIGHT
 7. WALL CONSTRUCTION STRUCTURAL MEMBERS MUST COMPLY WITH APPROVED DESIGN PRESSURE RATING.



BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING LOCATION: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242		
						
THIRD ANGLE PROJECTION						
DRAWN YMF	DATE 02.25.03	TITLE STEELCRAFT H SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM AND SIDELITE FRAME CROSS SECTION OF DOOR AND FRAME WITH EXIT HARDWARE H-SERIES FG SINGLE AND 6070 DOUBLE DOORS FULLY GLAZED CONFIGURATION W/SIDE AND TRANSOM LITES/PANEL				
CHECKED						
APPROVED						
ENG. APPVL		SIZE	FLAT	DWG NO. 975W	SHEET 3 OF 19	REV L
SCALE:		NTS		AUTOCAD		



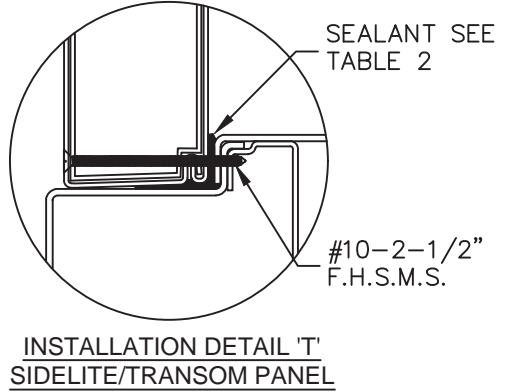


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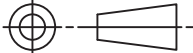
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E	REV'D DWG	03/11/15	
G	EOR CHANGE	10/15/17	
H	REVISION	JPD 07/27/18	
I	ADDRESS UPDATE	SM 02/27/20	
J	2020 FBC UPDATE	NUS 07/03/20	
K	STRIKE UPDATE	LL 04/06/22	
L	2023 FBC UPDATE	OL 07/11/22	

TABLE 2: SIDELITE & TRANSOM GLAZING OPTIONS

GLAZING TYPES AND METHODS	
TRANSOM & SIDELITE GLAZING OPTIONS	GLAZING SEALANT
1/2" TYP. POLYCARBONATE	SIKAFLEX 222UV,295UV,552 OR DOW CORNING 995/983
9/16" TYP. HS LAMINATED GLASS	SIKAFLEX 222UV,295UV,552 OR DOW CORNING 995/983
1-1/16" TYP.THICK SUPERLITE II-XL™	SIKAFLEX 222UV,295UV,552 OR DOW CORNING 995/983
1-3/4" THICK STEEL PANEL	SIKAFLEX 222UV,295UV,552 OR DOW CORNING 995/983



- NOTES:
- SEE SHTS. 1, 5, 9 AND 19 FOR ELEVATION, MATERIAL AND HINGE OPTIONS
 - SEE SHT.1 NOTE 2. FOR ANCHOR REQUIREMENTS
 - SEE SHTS. 10 THRU 14 FOR WALL CONSTRUCTION AND ANCHORING SYSTEM
 - SEE SHTS. 5, 6, 7 & 9 FOR AVAILABLE OPENING SIZES, JAMB DEPTHS AND SPECIFICATIONS
 - HARDWARE INSTALLATION IS PER MANUFACTURER'S INSTRUCTIONS

BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING LOCATION: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242		
						
THIRD ANGLE PROJECTION						
DRAWN YMF	DATE 02.25.03	TITLE STEELCRAFT H SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM AND SIDELITE FRAME GLAZING AND PANEL DETAILS H-SERIES FG SINGLE AND 6070 DOUBLE OPENING FULL GLAZED CONFIGURATION W/SIDE AND TRANSOM LITES/PANEL				
CHECKED						
APPROVED		SIZE	FLAT	DWG NO. 975W	SHEET 4 OF 19	REV L
ENG. APPVL		SCALE:	NTS	AUTOCAD		

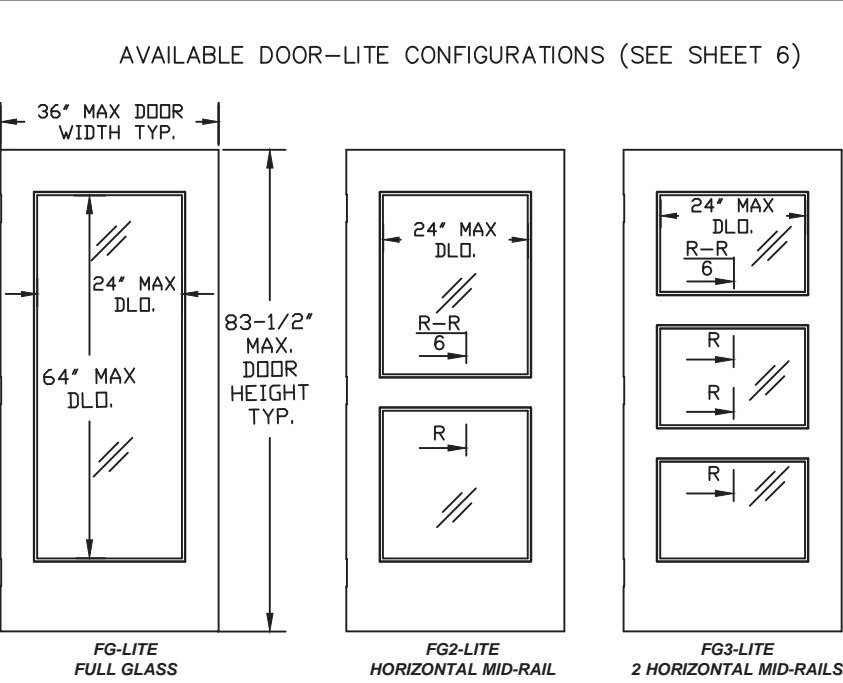
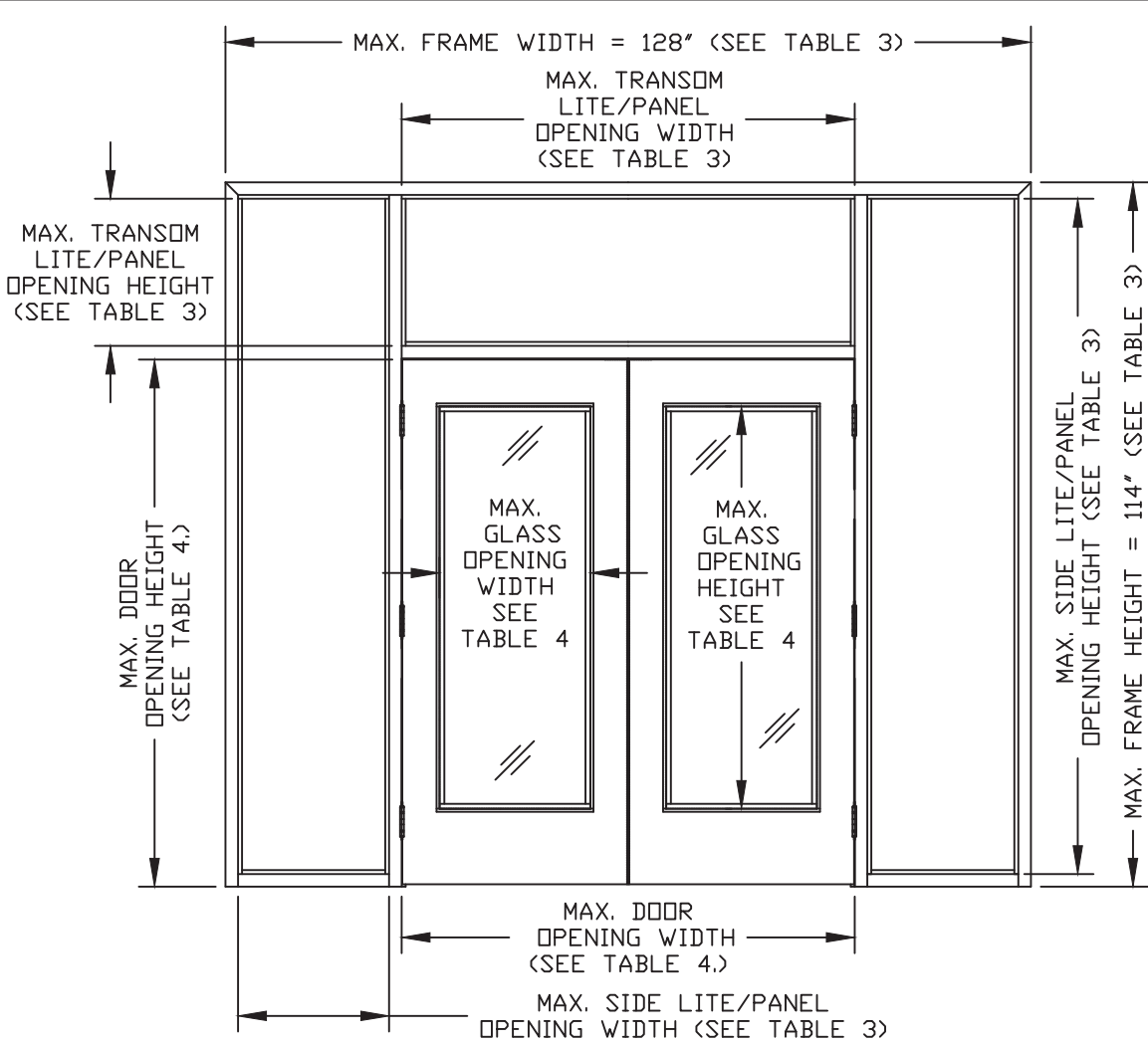


TABLE 5. STEEL DOOR & FRAME MECHANICAL PROPERTIES

MATERIAL	ASTM REF.	YIELD KSi	TENSILE KSi
CRS	A366	MIN. 41.5	MIN. 52.9
HRS	A1011		
GALV: A60	A924	MIN. 41.5	MIN. 73.2
SS: 304,316	A240		

R E V I S I O N S				
LTR	DESCRIPTION		DATE	APPROVED
B	APPROVAL DWG	YMF	01/06/05	
D	REV'D DWG		08/30/13	
E	REV'D DWG		03/11/15	
G	EDR CHANGE	SIM	10/15/17	
H	REVISION	JPD	07/27/18	
I	ADDRESS UPDATE	SM	02/27/20	
J	2020 FBC UPDATE	NUS	07/03/20	
K	STRIKE UPDATE	LL	04/06/22	
L	2023 FBC UPDATE	DL	07/11/23	

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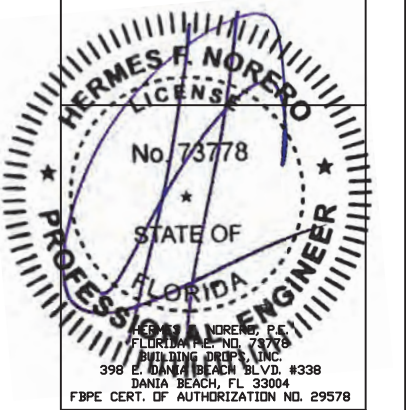


TABLE 3.

AVAILABLE STEELCRAFT FRAME CONFIGURATIONS (SEE NOTE 1.)

FRAME SERIES	JAMB DEPTH	FRAME MATERIAL		FRAME WALL OPENING SIZE, MAX.		TRANSOM LITE/PANEL OPENING SIZE, MAX.		SIDE LITE/PANEL OPENING SIZE, MAX.		GLAZING MATERIAL	
		DESCR.	GA./MIN. THK	WIDTH	HEIGHT	WIDTH	HEIGHT	WIDTH	HEIGHT	DESCR.	THICKNESS
F	5.75" NOM.	CRS/HRS GALV	16/.053" 14/.067" 12/.099"	10'8" (128")	9'6" (114")	6'0" (72")	2'2" (26")	2'0" (24")	9'2" (110")	POLYCARBONATE LEXAN BY SABIC INNOVATIVE PLASTICS	.5" TYP.
		STAINLESS STEEL	16/.053"							LAMINATED GLASS WITH 0.09" KURARAY SENTRYGLAS® INTERLAYER	.56" TYP.
MU	5.75" NOM.	CRS/HRS GALV	16/.053" 14/.067"	10'8" (128")	9'6" (114")	6'0" (72")	2'2" (26")	2'0" (24")	9'2" (110")	LAMINATED GLASS SUPERLITEII BY SAFTI	1.06" TYP.
										SIDE/TRANSOM PANEL WITH HONEYCOMB CORE POLYSTYRENE CORE POLYURETHANE CORE	1.75"

TABLE 4.

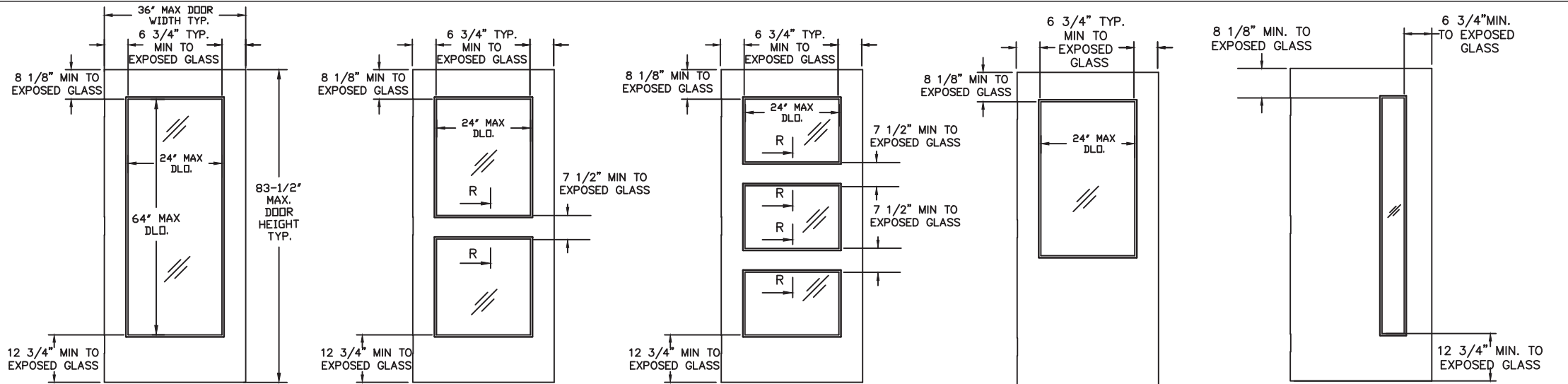
AVAILABLE STEELCRAFT DOOR CONFIGURATIONS (SEE NOTE 2.4)

CORE MATERIAL PER SHT.8	DOOR OPENING SIZE, MAX.		SKIN MATERIAL		GLASS OPENING SIZE, MAX.		GLAZING MATERIAL	
	WIDTH	HEIGHT	DESCR.	GA./MIN. THK	WIDTH	HEIGHT	DESCR.	THICKNESS
HONEYCOMB POLYSTYRENE POLYURETHANE	6'0" (72")	7'0" (84")	CRS GALV Fy min=41.5KSi	16/.053" 14/.067"	2'0" (24")	5'4" (64")	POLYCARBONATE LEXAN BY SABIC MAKROLON BY BAYER	.5" TYP.
			STAINLESS STEEL Fy MIN=41.5KSi	16/.053"			LAMINATED GLASS WITH 0.09" KURARAY SENTRYGLAS® INTERLAYER	.56" TYP.
							LAMINATED GLASS SUPERLITE II BY SAFTI	1.06" TYP.

NOTES:

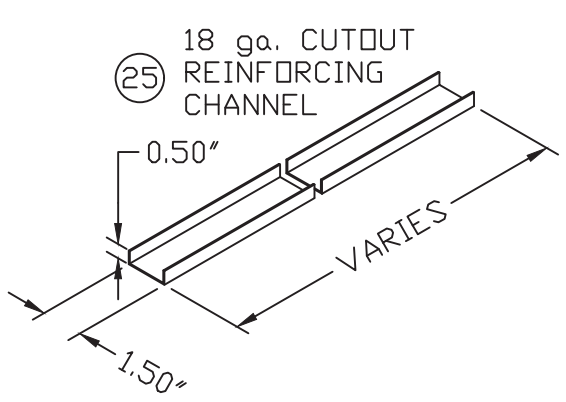
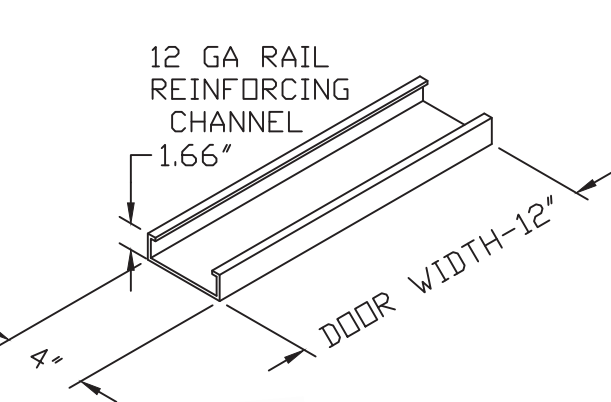
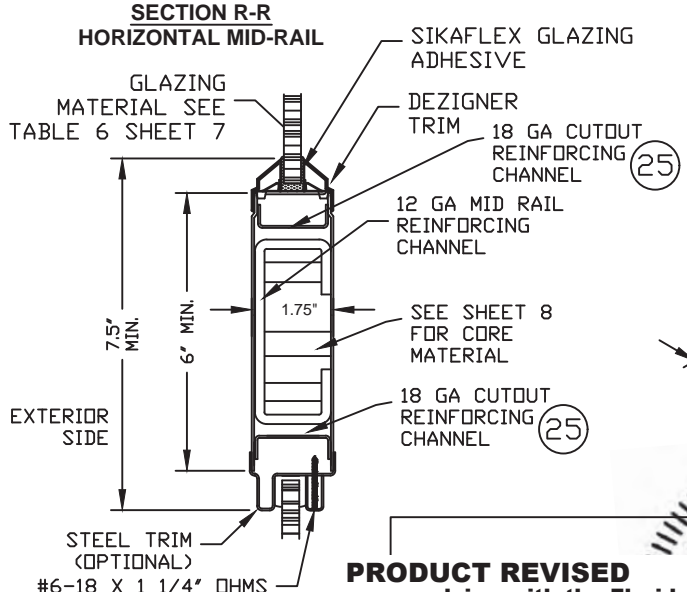
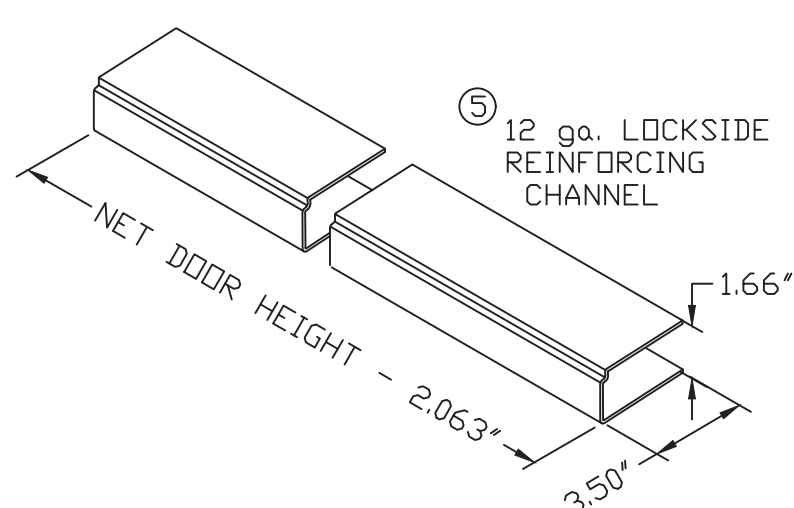
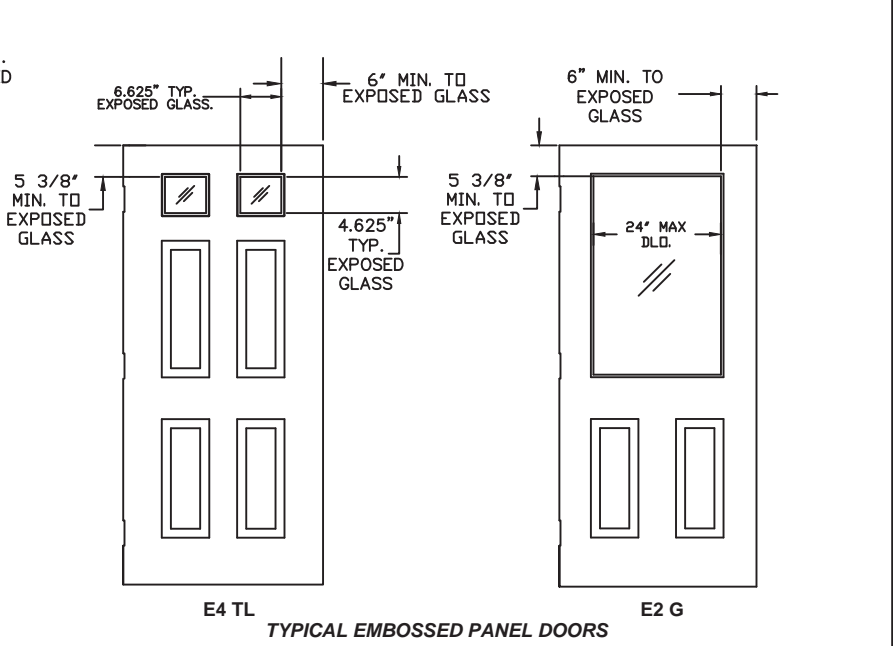
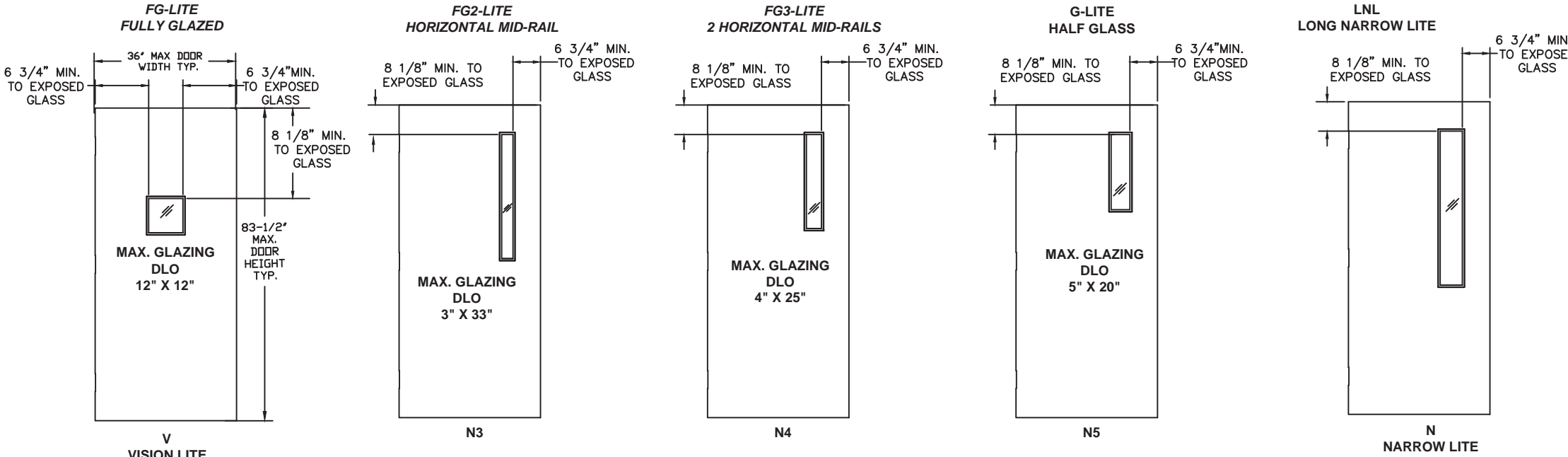
- FRAME CONSTRUCTION
 - NOMINAL JAMB DEPTH – 5 3/4", STOP HEIGHT – 5/8"
 - FRAMES AVAILABLE AS FLUSH (F-SERIES) AND MULT-USE(MU-SERIES) (SEE TABLE 3.)
 - FOR GLAZING DETAILS REFER TO SHEET 4.
 - SIDE/TRANSOM LITE/PANEL SIZES SHOWN (AS TESTED) ARE MAX. SIZES AVAILABLE. MULTIPLE LITES/PANELS ARE ACCEPTABLE WITH TOTAL DIMENSIONS LESS OR EQUAL TO THE SHOWN MAX. DIMENSIONS SHOWN IN TABLE 3.
- DOOR CONSTRUCTION
 - NOMINAL DOOR THICKNESS – 1 3/4"
 - GLASS OPENING SIZE TESTED (SEE TABLE 4.) IS MAX SIZE AVAILABLE FOR 6'0" X 7'0" DOOR OPENING. ALL SMALLER SIZES ARE ACCEPTABLE, AS DETERMINED BY FBC..
 - MAXIMUM GLASS OPENING SIZE WILL CHANGE IN PROPORTION WITH DOOR SIZE TESTED.
 - AVAILABLE DOOR-LITE CONFIGURATIONS: SEE SHEET 6.
 - FOR GLAZING DETAILS REFER TO SHEET 7.
- SEE TABLE 5 FOR MATERIAL SPECIFICATIONS FOR DOORS & FRAMES.

BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING LOCATION: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
THIRD ANGLE PROJECTION		DRAWN YMF		DATE 02.25.03	
CHECKED		APPROVED		TITLE STEELCRAFT H SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM & SIDELITE FRAMES DOOR AND FRAME CONFIGURATIONS AND MATERIAL SPECS.	
ENG. APPVL		SIZE FLAT		DWG NO. 975W	
SCALE: NTS		AUTOCAD		SHEET 5 OF 19	
				REV L	



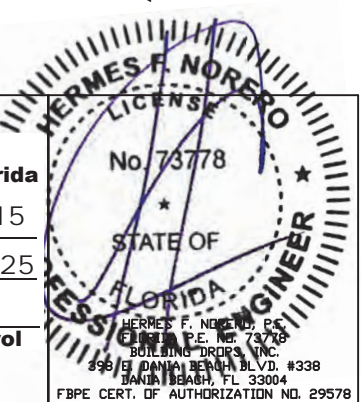
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G	EDR CHANGE	SIM	10/15/17	
H	REVISION	JPD	07/27/18	
I	ADDRESS UPDATE	SM	02/27/20	
J	2020 FBC UPDATE	NUS	07/03/20	
L	2023 FBC UPDATE	DL	07/11/23	

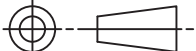
AVAILABLE DOOR PANEL CONFIGURATIONS

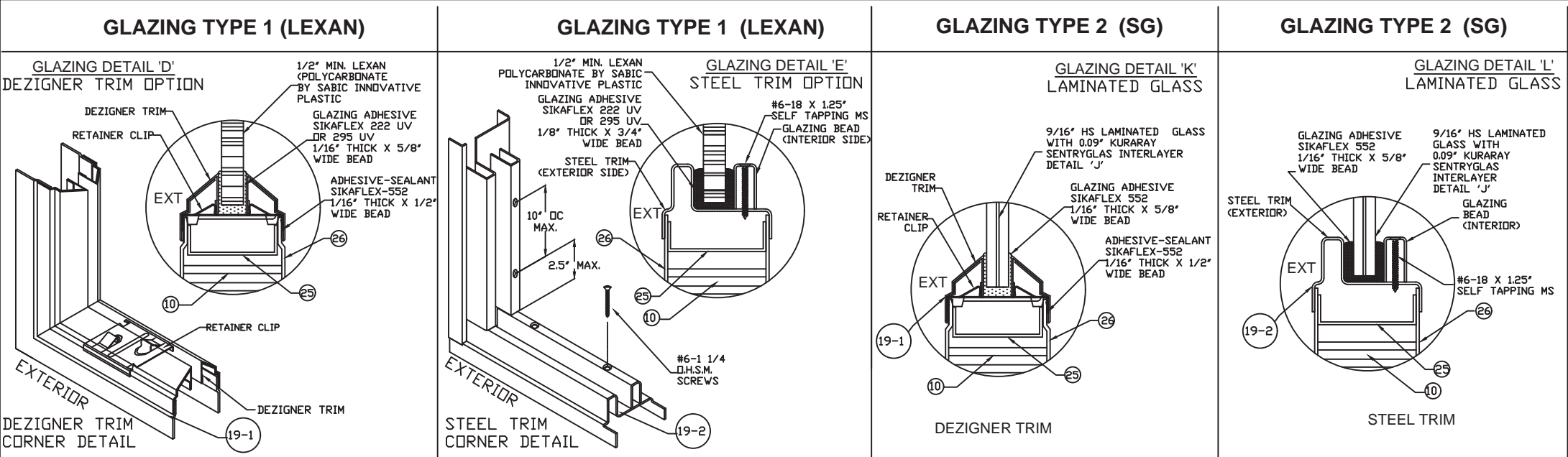


NOTES:
2. DOOR CONSTRUCTION
2.1. NOMINAL DOOR THICKNESS - 1 3/4"
2.2. GLASS OPENING SIZE TESTED (SEE TABLE 4. SHEET 5) IS MAX SIZE AVAILABLE FOR 6'0" X 7'0" DOOR OPENING. ALL SMALLER SIZES ARE ACCEPTABLE, AS PERMITTED BY FBC.
2.3. MAXIMUM GLASS OPENING SIZE WILL CHANGE IN PROPORTION WITH DOOR SIZE (SEE TABLE 4)
2.4. FOR DOOR GLAZING DETAILS REFER TO SHEET 7.
2.5. WHEN USING CONTINUOUS HINGE THE MINIMUM DISTANCE FROM DOOR EDGE TO EXPOSED GLASS IS 6 1/4" AT STILES AND 7-1/2" AT MID RAILS.

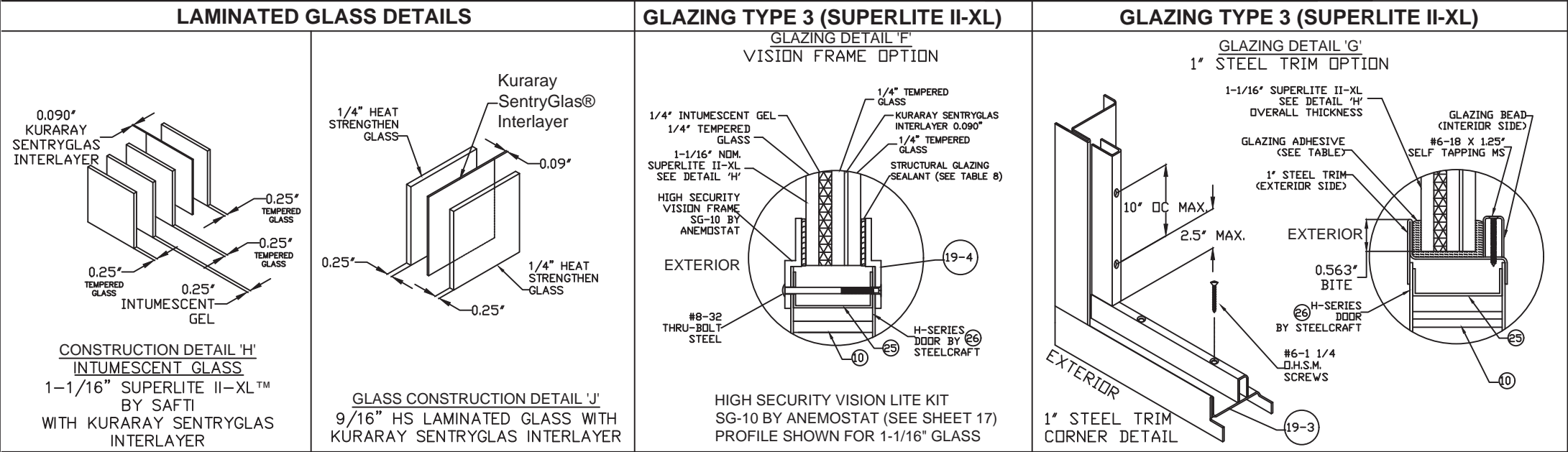
PRODUCT REVISED
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NOA-No. 23-0821.15
Expiration Date 05/05/2025
By Miami-Dade Product Control



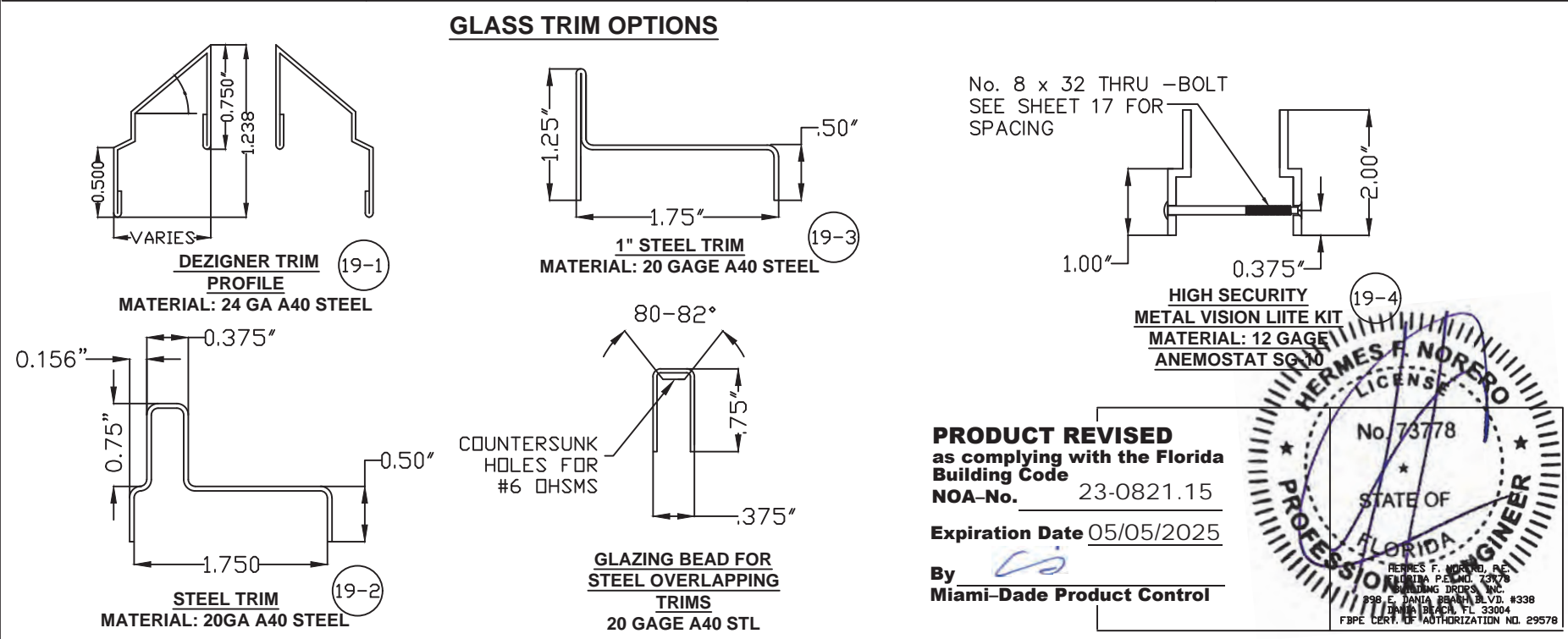
BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING LOCATION: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242		
						
THIRD ANGLE PROJECTION		TITLE STEELCRAFT H SERIES SINGLE & DOUBLE DOORS WITH TRANSOM & SIDELITE FRAMES				
DRAWN YMF	DATE 02.25.03	GLASS DOOR CONFIGURATIONS				
CHECKED						
APPROVED		SIZE	FLAT	DWG NO. 975W	SHEET 6 OF 19	REV L
ENG. APPVL		SCALE:	NTS	AUTOCAD		



R E V I S I O N S				
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E	REVISED	DWG	JPD	03/11/15
G	EDR CHANGE		SIM	10/15/17
H	REVISED	DWG	JPD	07/27/18
I	ADDRESS UPDATE		SM	02/27/20
J	2020 FBC UPDATE		NUS	07/03/20
K	STRIKE UPDATE		LL	04/06/22
L	2023 FBC UPDATE		DL	07/11/23



GLAZING TYPES AND METHODS				
TYPE	GLAZING MATERIAL	TRIM TYPE	SEALANT -ADHESIVE	GLAZING SEALANT
1	LEXAN BY SABIC INNOVATIVE PLASTICS 1/2\"/>	DESIGNER 1/2\"/>	SIKAFLEX 552	SIKAFLEX 222UV OR 295UV 1/16\"/>
2	9/16\"/>	DESIGNER 1/2\"/>	SIKAFLEX 552	SIKAFLEX 552 OR DOW CORNING 995/983 1/16\"/>
3	SUPERLITE II-XL™ BY SAFTI WITH KURARAY SENTRYGLAS INTERLAYER 'H' TRIM DETAILS 'F' & 'G'	1\"/>	NONE	SIKAFLEX 552 OR DOW CORNING 995/983 1/16\"/>



NOTES:

1. SEE SHT.1 FOR ELEVATIONS, SHT.5 FOR SIZES AND MATERIAL SPECIFICATIONS.

2. SEE SHT.1 NOTE 2. FOR ANCHOR REQUIREMENTS

3. SEE SHTS. 10 THRU 14 FOR WALL CONSTRUCTION AND ANCHORING SYSTEM

4. SEE SHTS. 5 & 9 FOR AVAILABLE OPENING SIZES, JAMB DEPTHS AND SPECIFICATIONS

5. APPROVED HARDWARE ON SHEETS 1, 2, 3, 15 THRU 19 TO BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.E

6. FIRE RATINGS ARE NOT PART OF THIS APPROVAL.

BEND RADIUS

THIRD ANGLE PROJECTION

DRAWN

YMF

CHECKED

APPROVED

ENG. APPVL

DATE

02.25.03

SIZE

FLAT

DWG NO.

975W

SHEET

7 OF 19

REV

L

SCALE:

NTS

AUTOCAD

MANUFACTURING LOCATION:

STEELCRAFT

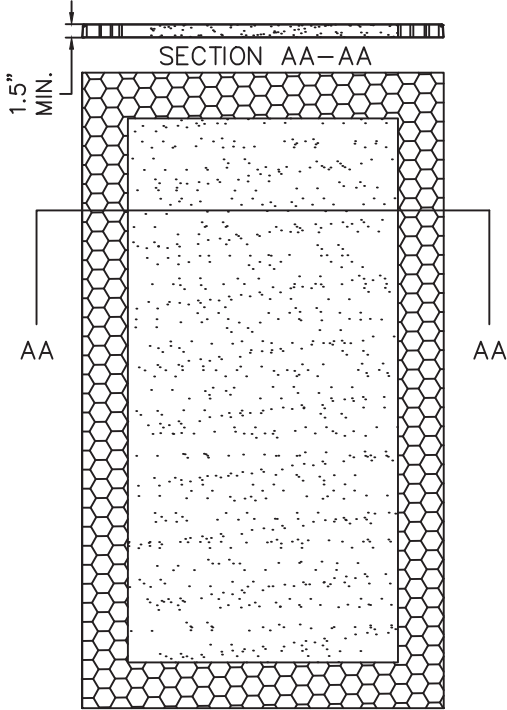
9017 BLUE ASH ROAD

CINCINNATI, OH 45242

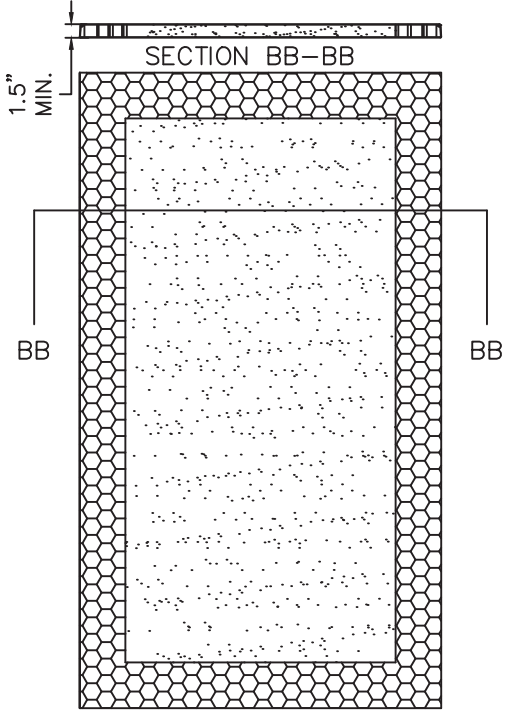
TITLE

STEELCRAFT H SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM & SIDELITE FRAME

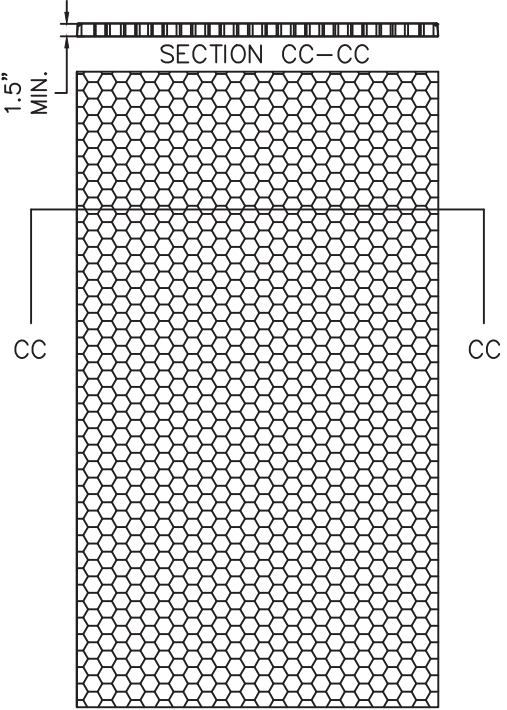
GLASS TRIM AND GLAZING OPTIONS



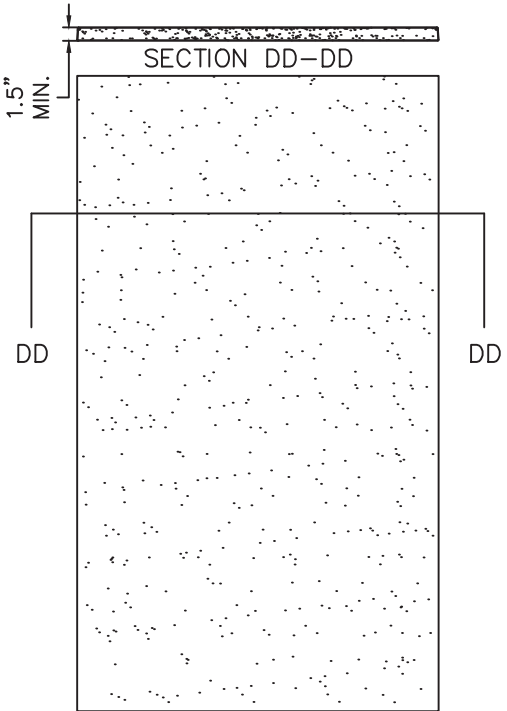
(A) EXPANDED POLYSTYRENE FOAM
BY ATLAS EPS
DENSITY: 1.0 LBS/FT³



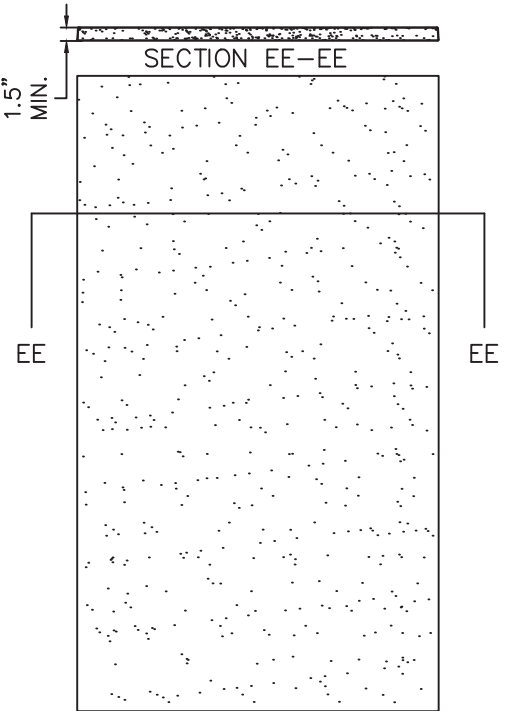
(B) POLYISOCYANURATE
(POLYURETHANE)
BY ELLIOT CO. OF INDIANAPOLIS, IN
DENSITY: 2 LBS/FT³



(C) HONEYCOMB
KRAFT PAPER.



(D) EXPANDED POLYSTYRENE FOAM
BY ATLAS EPS, DENSITY: 1.0 LB/FT³



(E) POLYISOCYANURATE
(POLYURETHANE)
BY ELLIOT CO. OF INDIANAPOLIS, IN
DENSITY: 2 LBS/FT³

R E V I S I O N S			
LTR	DESCRIPTION	DATE	APPROVED
D	REV'D DWG.	08/30/13	
E	REVISED JPD	03/11/15	
F	REVISED JPD	05/05/15	
G	EOR CHANGE SIM	10/15/17	
H	REVISED JPD	07/27/18	
I	ADDRESS UPDATE SM	02/27/20	
J	2020 FBC UPDATE NUS	07/03/20	
K	STRIKE UPDATE LL	04/06/22	
L	2023 FBC UPDATE OL	07/11/23	

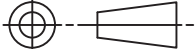
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0821.15

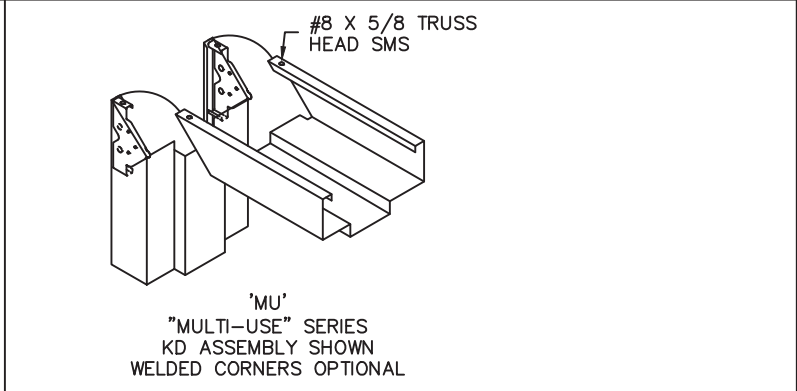
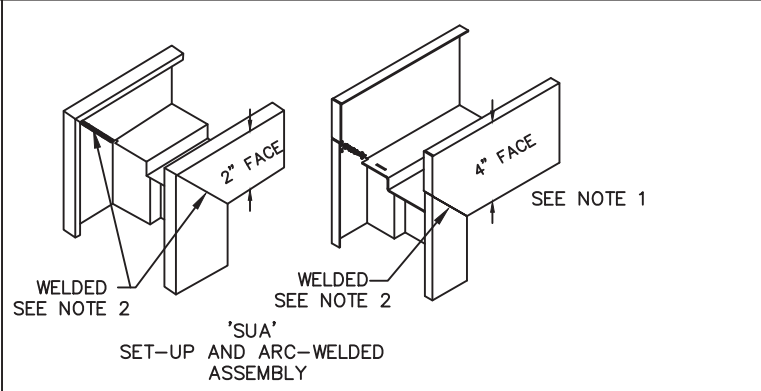
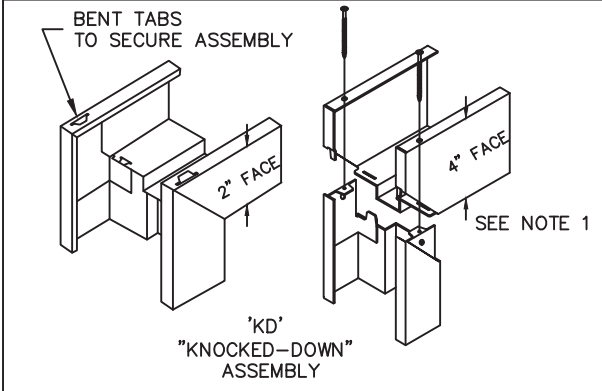
Expiration Date 05/05/2025

By 
Miami-Dade Product Control

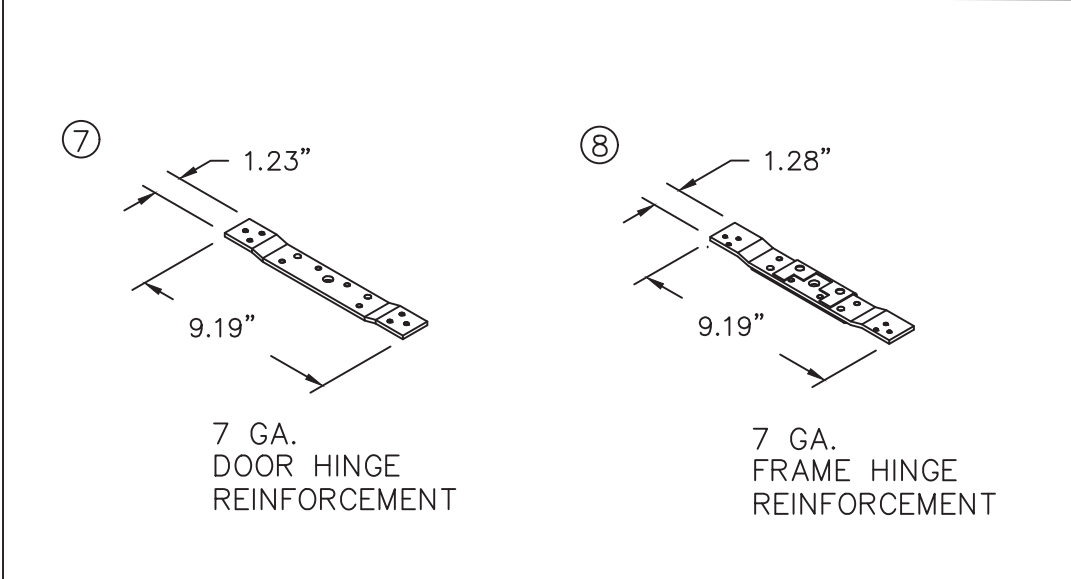
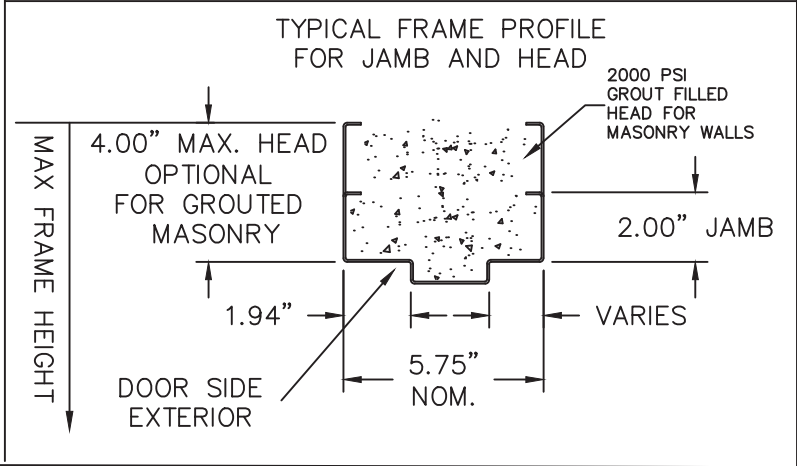
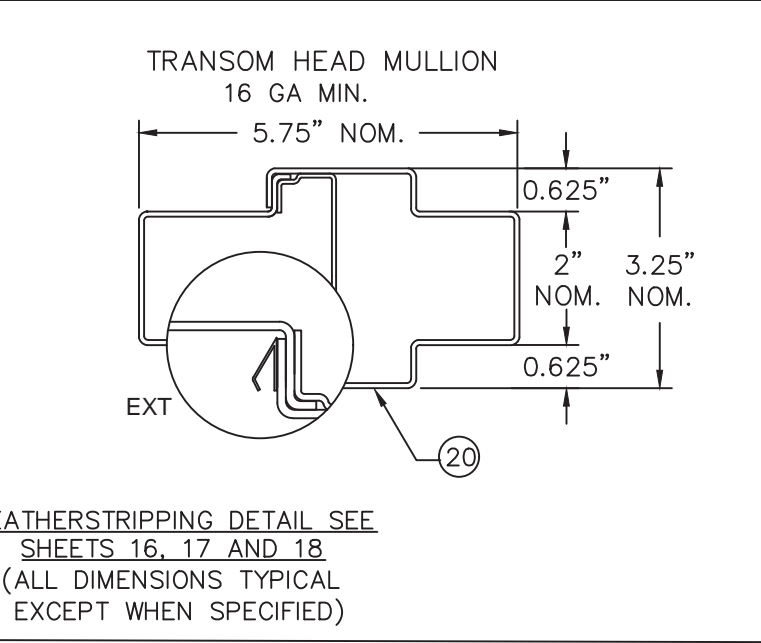
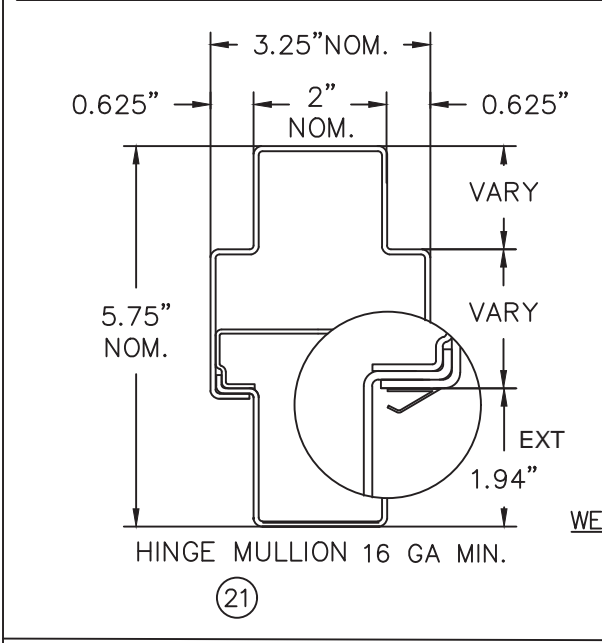
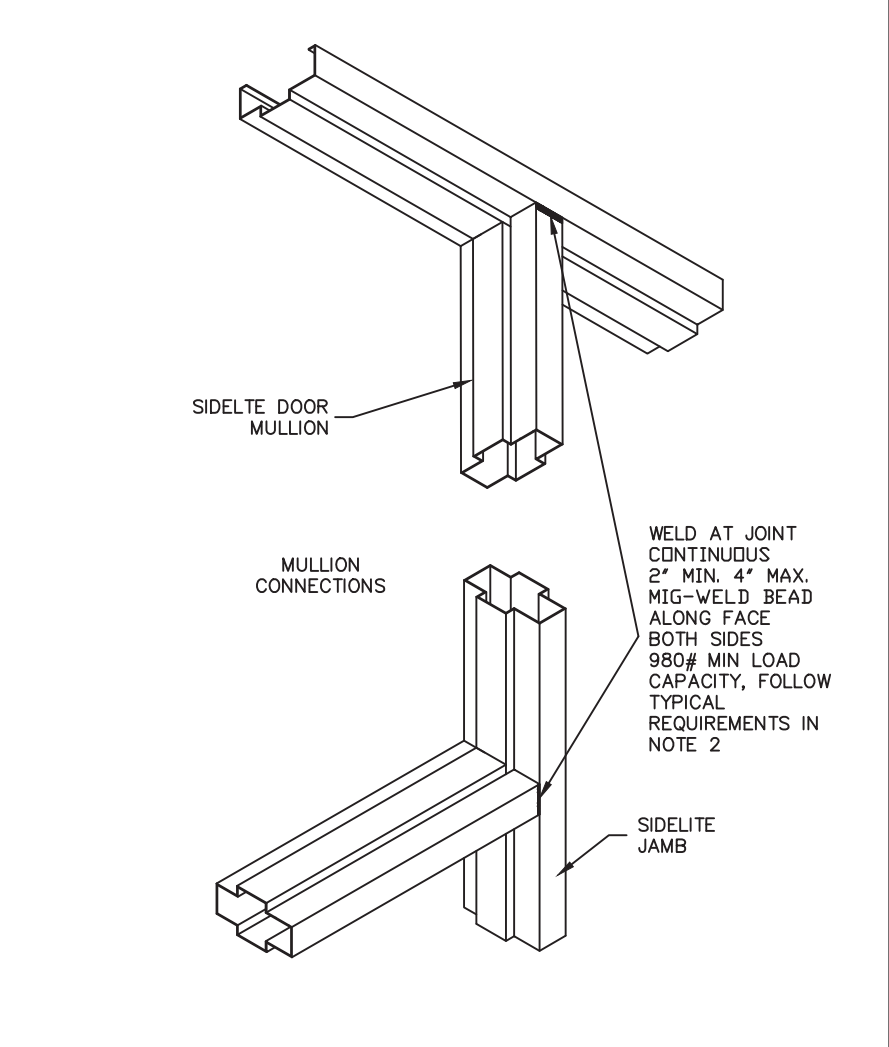
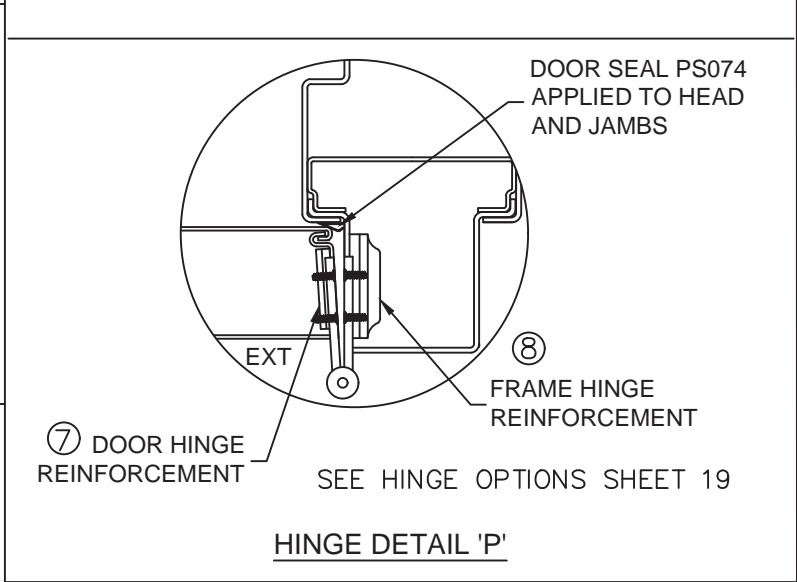
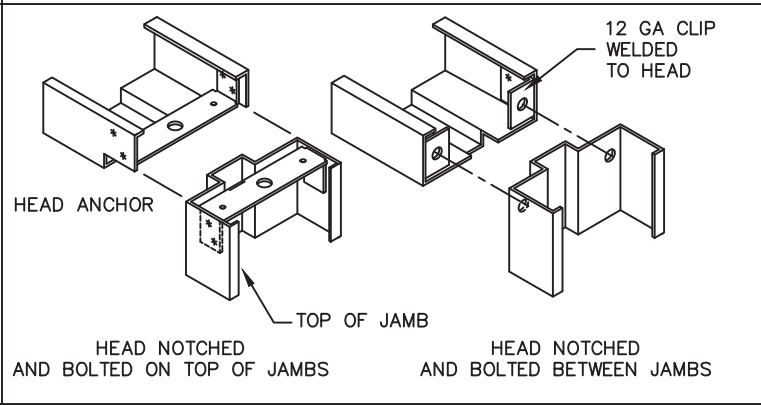
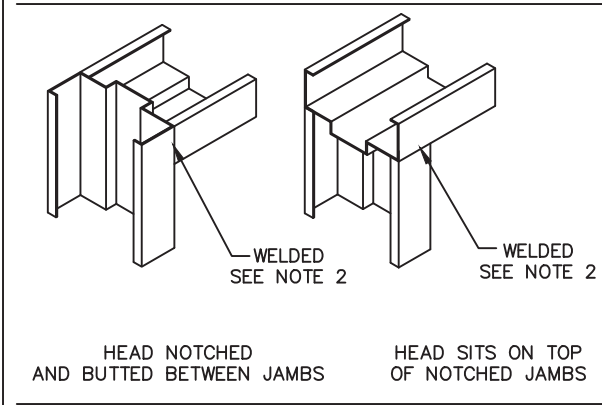


- NOTES:
- CORE MATERIAL SHOWN WITHOUT HARDWARE REINFORCEMENTS OR GLASS LITE CUTOUTS.

BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032			MANUFACTURING LOCATION: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
		TITLE STEELCRAFT H SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM AND SIDELITE FRAME				
THIRD ANGLE PROJECTION		CORE MATERIAL FOR DOORS AND PANELS				
DRAWN YMF		DATE 02.24.03				
CHECKED						
APPROVED		SIZE FLAT		DWG NO. 975W		REV L
ENG. APPVL		SCALE: NTS		AUTOCAD		



R E V I S I O N S				
LTR	DESCRIPTION		DATE	APPROVED
A	APPROVAL DWG	YMF	02.25.03	
G	EOR CHANGE	SIM	10/15/17	
H	REVISED DWG	JPD	07/27/18	
I	ADDRESS UPDATE	SM	02/27/20	
J	2020 FBC UPDATE	NUS	07/03/20	
L	2023 FBC UPDATE	OL	07/11/23	



NOTES:

1. GROUTED 4" FACE HEAD MAY BE USED WITHIN MAXIMUM FRAME HEIGHT LIMITATIONS.

2. CONTINUOUS BACK WELD WITH FULL PENETRATION TO FACE SEAM, GRIND, SMOOTH, PRIME, & PAINT.

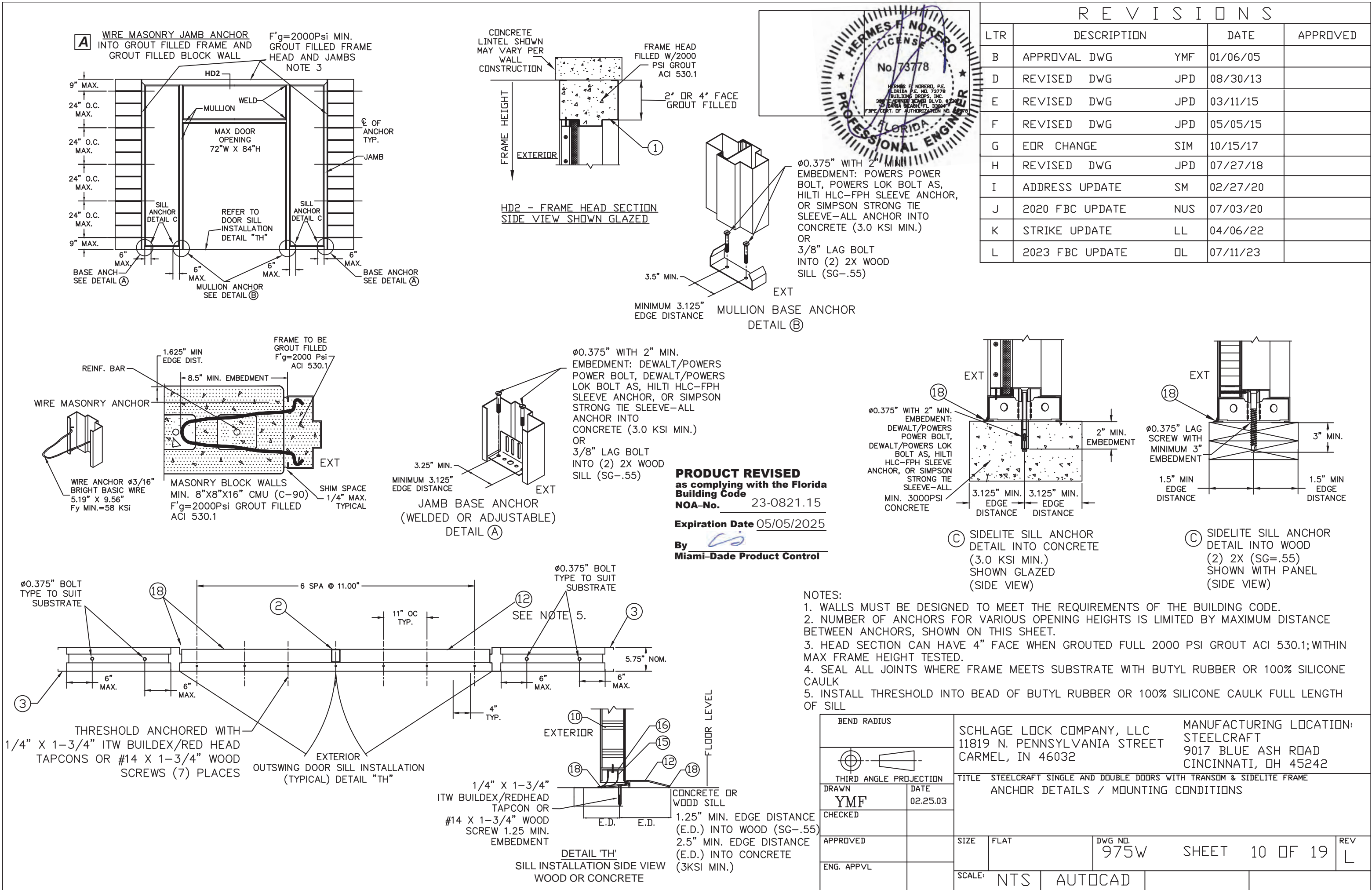
WELD CLASSIFICATION - E70XX

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 23-0821.15
Expiration Date 05/05/2025
By *[Signature]*
Miami-Dade Product Control

HERMES F. NORERO
LICENSE
No. 73778
STATE OF FLORIDA
REGISTERED PROFESSIONAL ENGINEER
HERMES F. NORERO, P.E.
FLORIDA P.E. NO. 73778
BOYDING PROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION NO. 29578

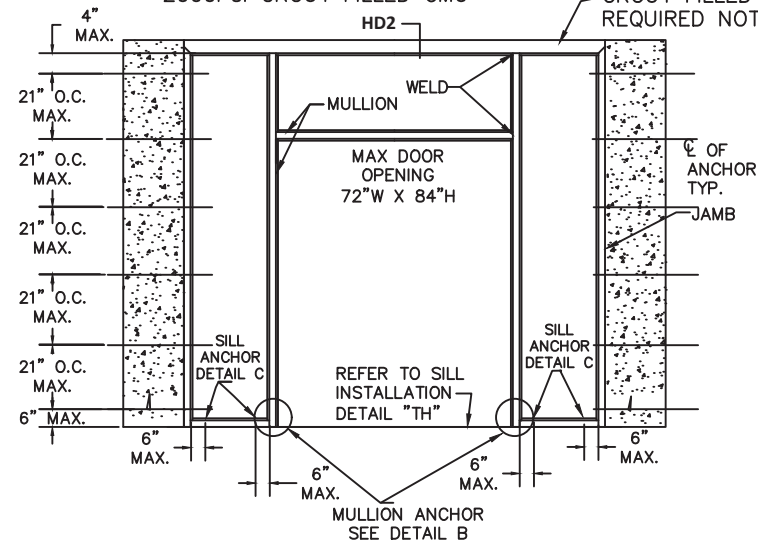
BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING LOCATION: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242			
THIRD ANGLE PROJECTION							
DRAWN YMF	DATE 02.25.03	TITLE STEELCRAFT H SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM AND SIDELITE FRAME CORNER DETAILS AND WEATHERSTRIPPING ATTACHMENT FOR FLUSH FRAME AND MU FRAMES					
CHECKED		SIZE	FLAT	DWG NO. 975W	SHEET 9 OF 19		
APPROVED							
ENG. APPVL							
SCALE: NTS		AUTOCAD					
				REV L			

R E V I S I O N S				
LTR	DESCRIPTION		DATE	APPROVED
B	APPROVAL DWG	YMF	01/06/05	
D	REVISED DWG	JPD	08/30/13	
E	REVISED DWG	JPD	03/11/15	
F	REVISED DWG	JPD	05/05/15	
G	EDR CHANGE	SIM	10/15/17	
H	REVISED DWG	JPD	07/27/18	
I	ADDRESS UPDATE	SM	02/27/20	
J	2020 FBC UPDATE	NUS	07/03/20	
K	STRIKE UPDATE	LL	04/06/22	
L	2023 FBC UPDATE	DL	07/11/23	



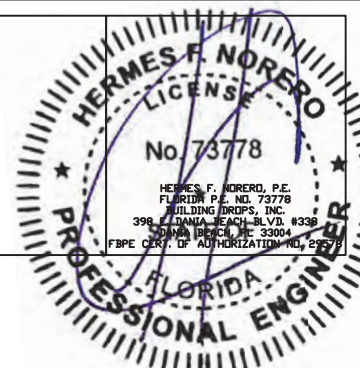
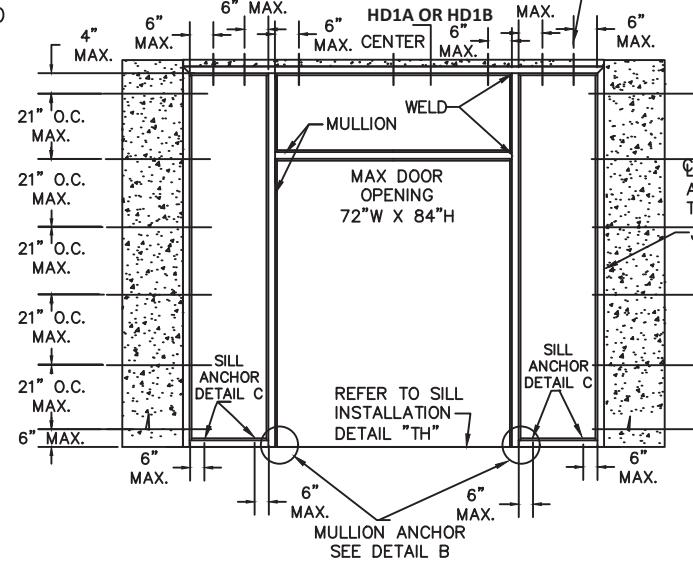
B EXISTING MASONRY JAMB ANCHOR (EMA)
INTO CONCRETE WALL OR
2000PSI GROUT FILLED CMU

IF 4" FACE HEAD
F'g=2000PSI MIN.
GROUT FILLED HEAD
REQUIRED NOTE 3



B1 EXISTING MASONRY JAMB ANCHOR (EMA)
INTO CONCRETE WALL OR
2000PSI GROUT FILLED CMU

IF HEAD IS NOT
GROUT FILLED
ANCHORS REQUIRED



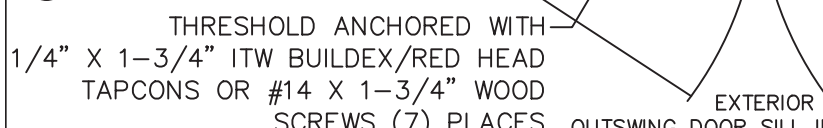
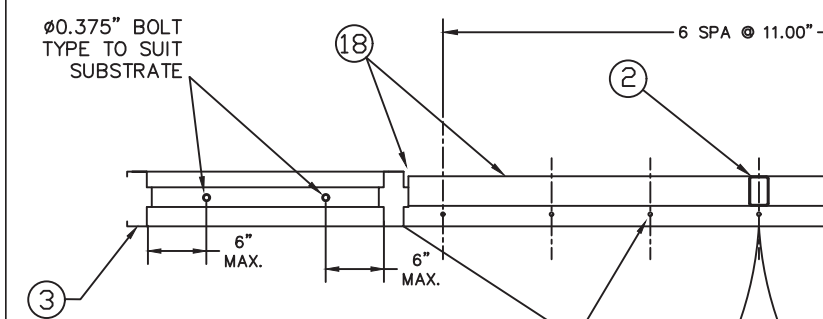
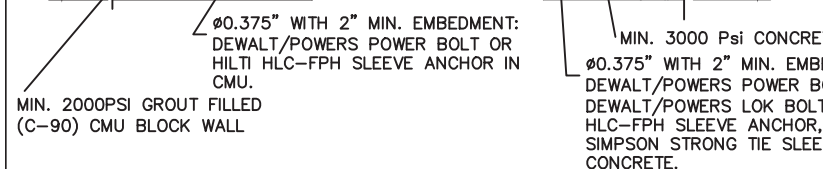
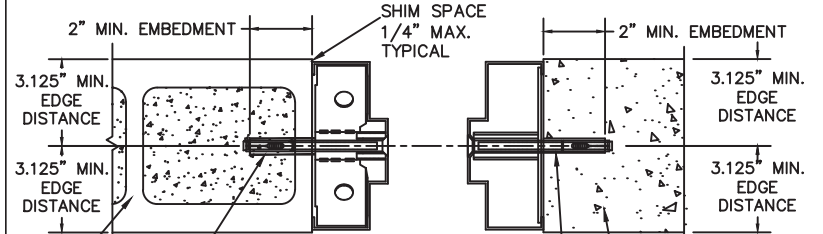
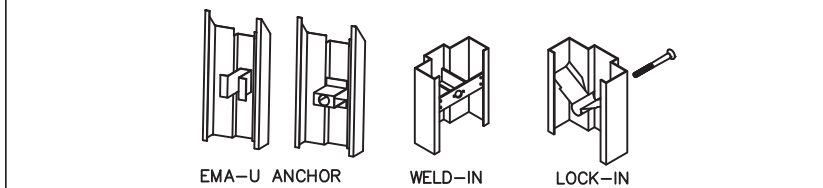
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0821.15

Expiration Date 05/05/2025

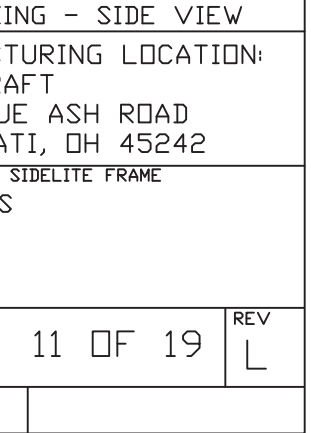
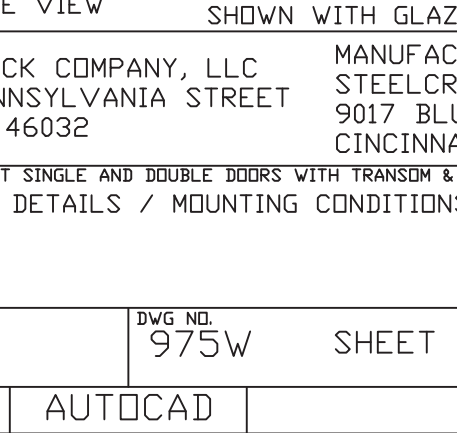
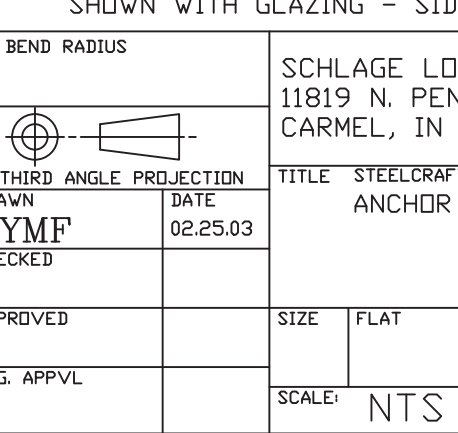
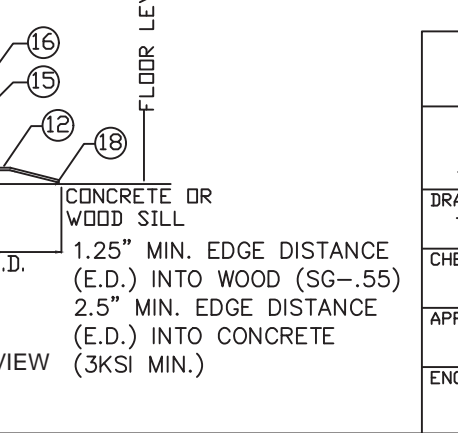
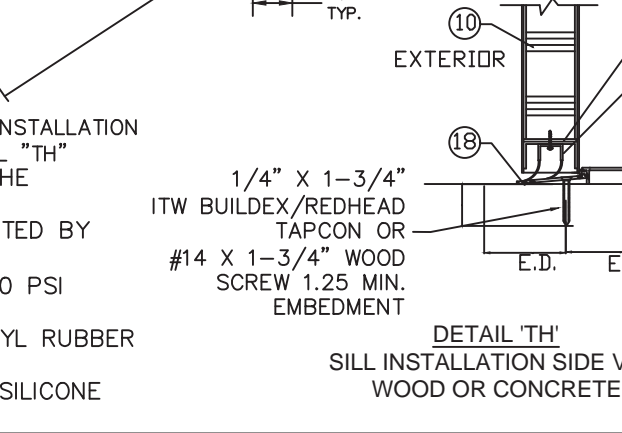
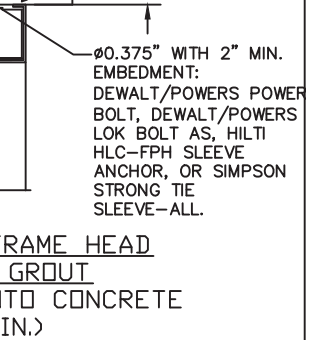
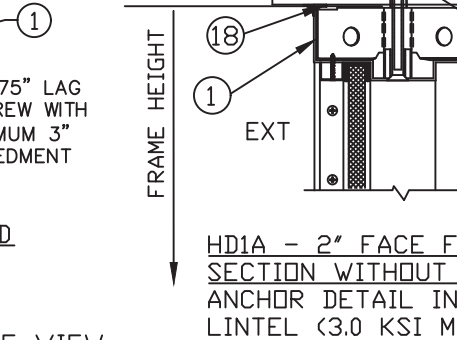
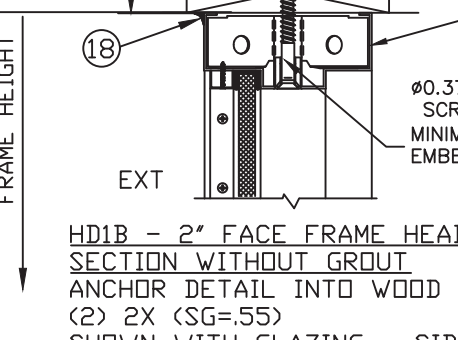
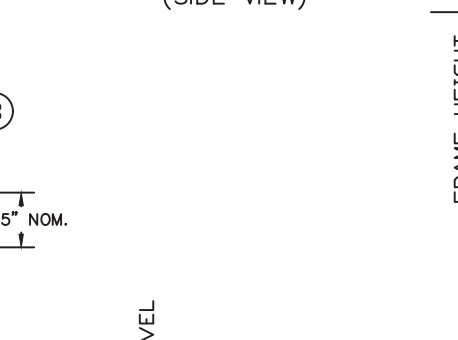
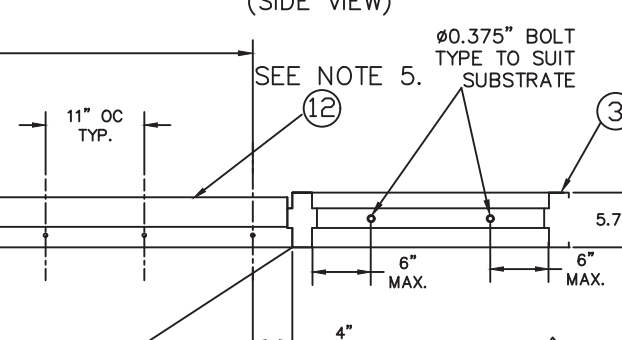
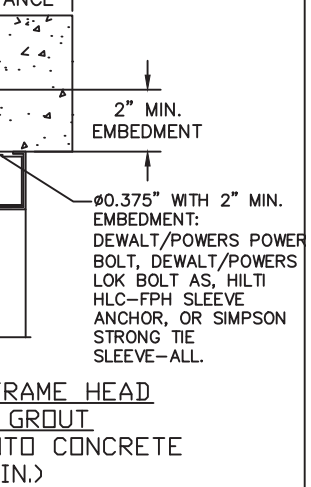
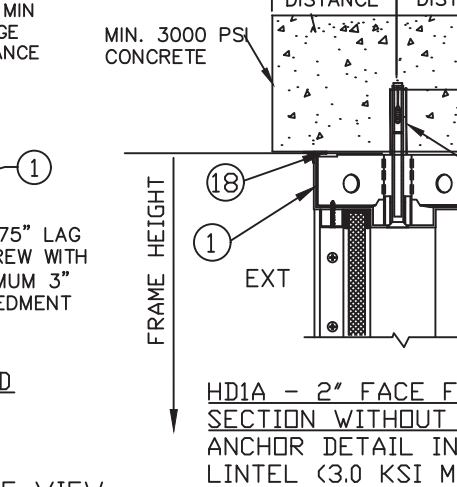
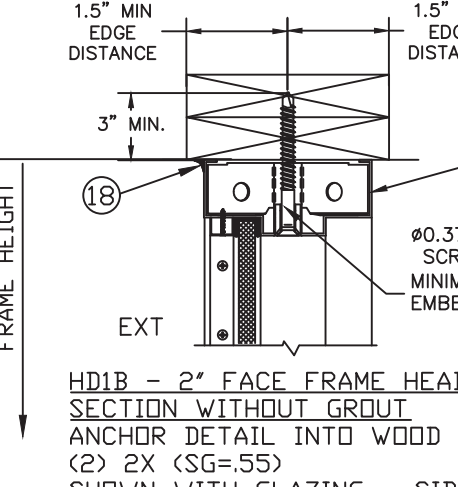
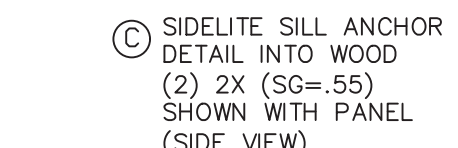
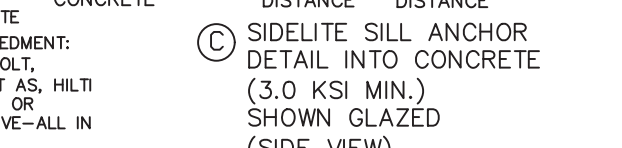
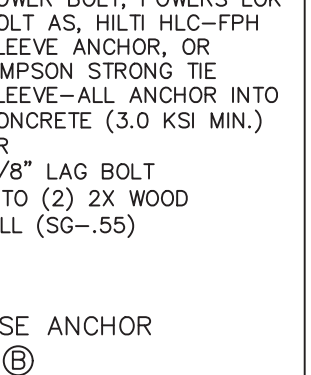
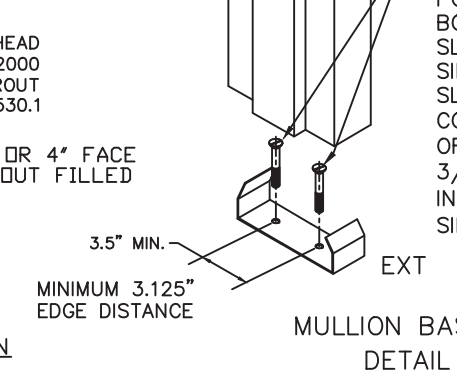
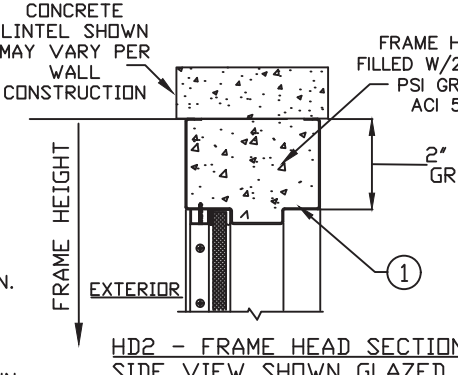
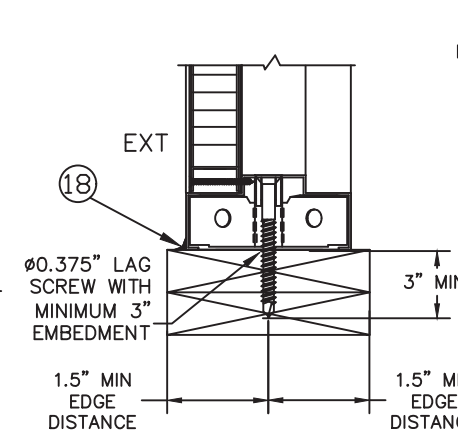
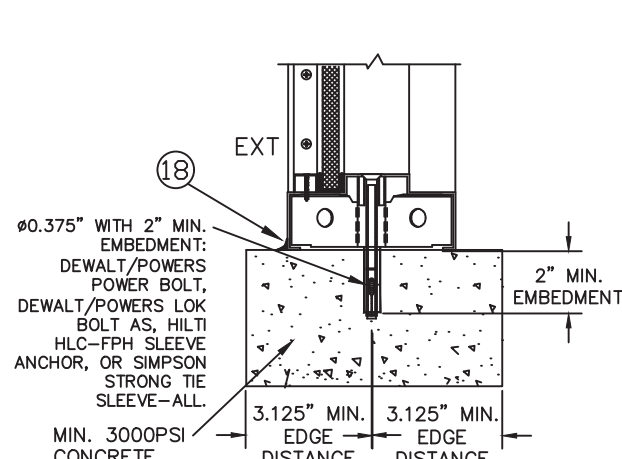
By *[Signature]*
Miami-Dade Product Control

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
B	APPROVAL DWG	YMF	01/06/05
D	REVISED DWG	JPD	08/30/13
E	REVISED DWG	JPD	03/11/15
F	REVISED DWG	JPD	05/05/15
G	EDR CHANGE	SIM	10/15/17
H	REVISED DWG	JPD	07/27/18
I	ADDRESS UPDATE	SM	02/27/20
J	2020 FBC UPDATE	NUS	07/03/20
L	2023 FBC UPDATE	DL	07/11/23



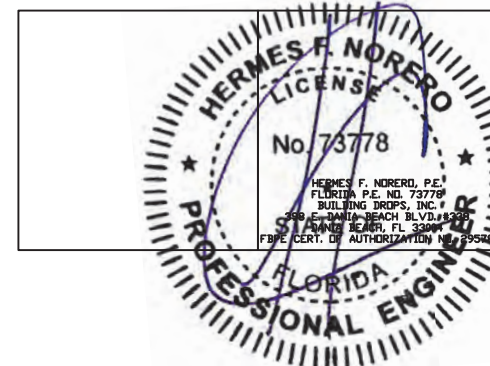
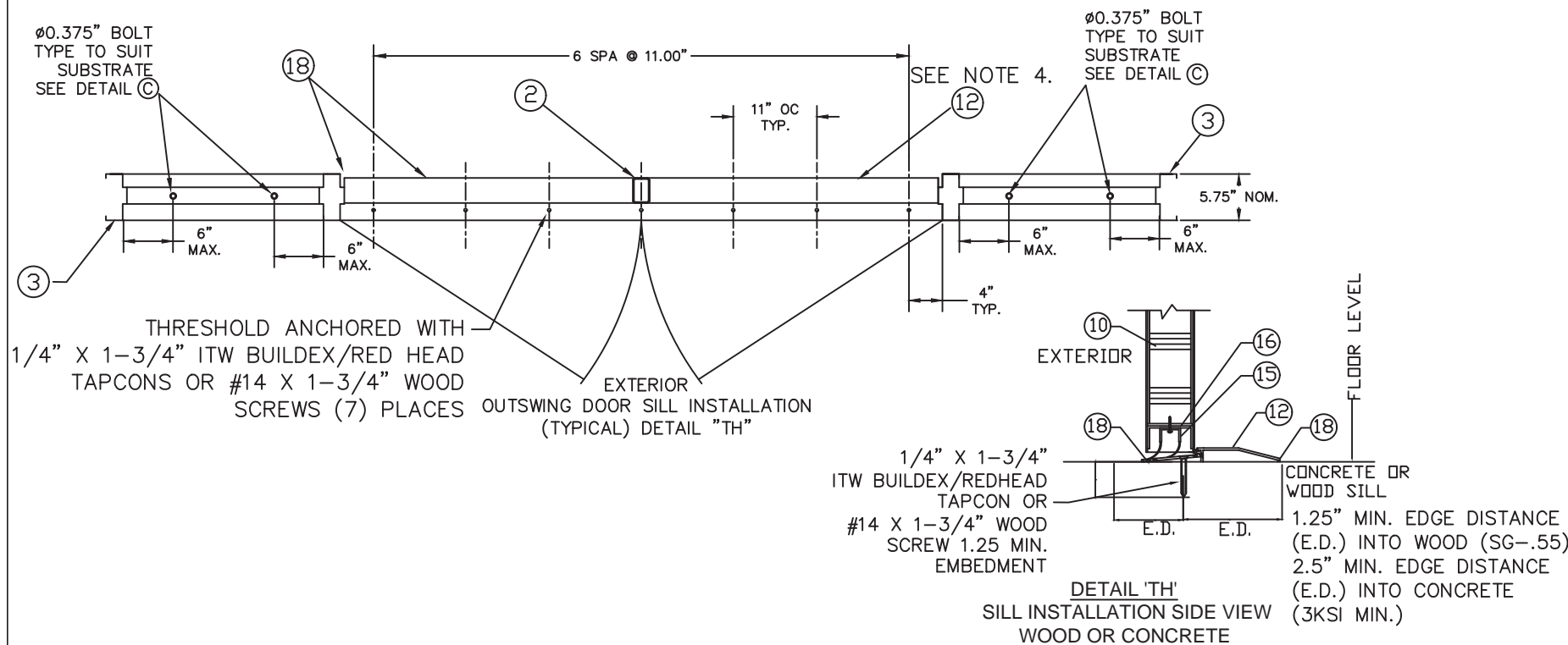
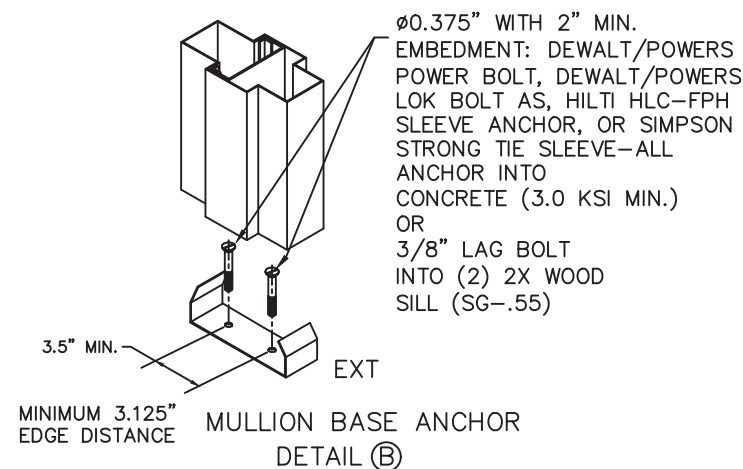
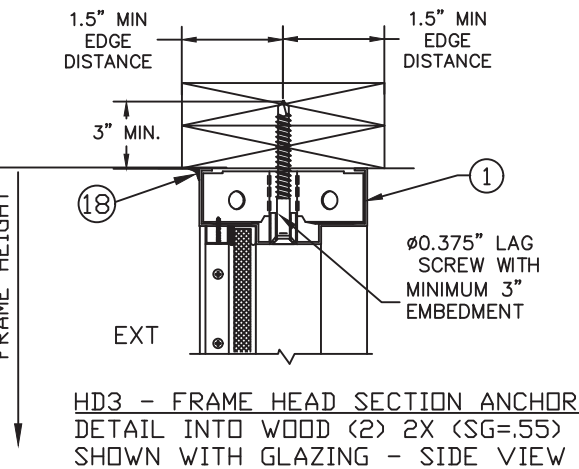
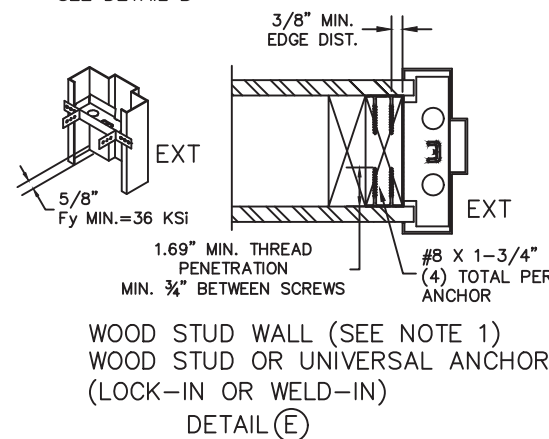
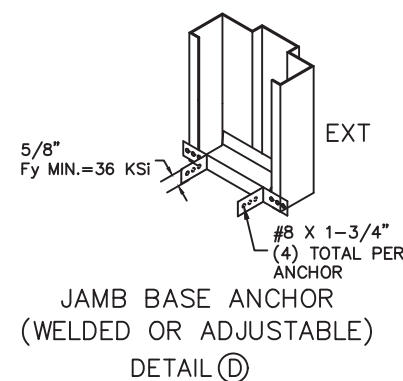
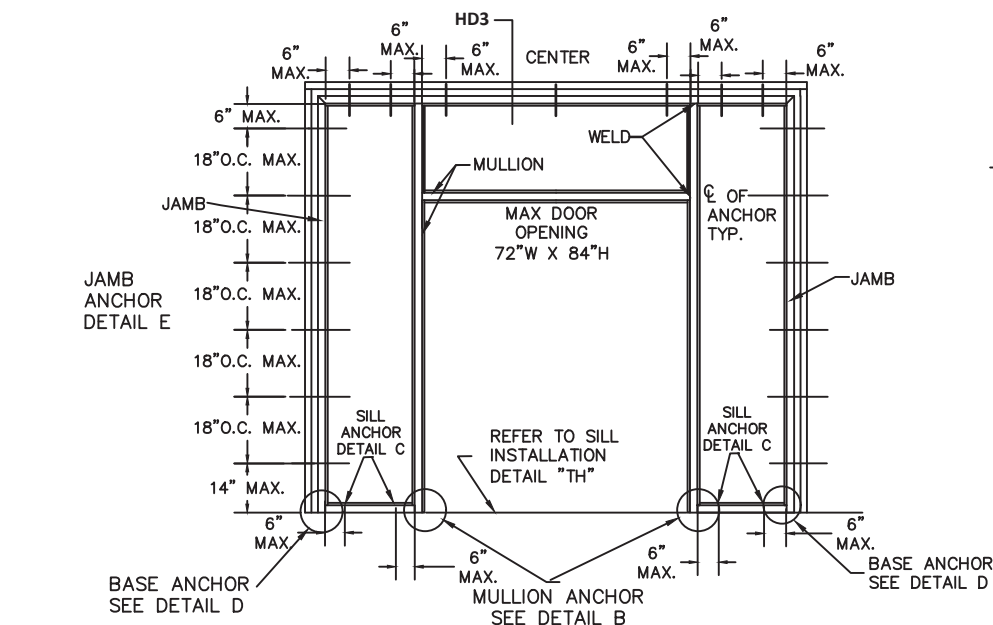
NOTES:
1. WALLS MUST BE DESIGNED TO MEET THE REQUIREMENTS OF THE BUILDING CODE.
2. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3. HEAD SECTION CAN HAVE 4" FACE WHEN GROUTED FULL 2000 PSI GROUT ACI 530.1 WITHIN MAX FRAME HEIGHT TESTED.
4. SEAL ALL JOINTS WHERE FRAME MEETS SUBSTRATE WITH BUTYL RUBBER OR 100% SILICONE CAULK
5. INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR 100% SILICONE CAULK FULL LENGTH OF SILL



BEND RADIUS	
THIRD ANGLE PROJECTION	
DRAWN	YMF
CHECKED	
APPROVED	
ENG. APPVL	

SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING LOCATION: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
TITLE		STEELCRAFT SINGLE AND DOUBLE DOORS WITH TRANSOM & SIDELITE FRAME ANCHOR DETAILS / MOUNTING CONDITIONS	
SIZE	FLAT	DWG NO.	975W
SCALE	NTS	SHEET	11 OF 19
AUTOCAD		REV	L

C WOOD STUD JAMB ANCHOR



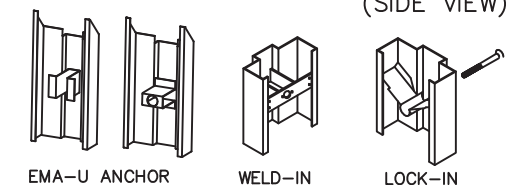
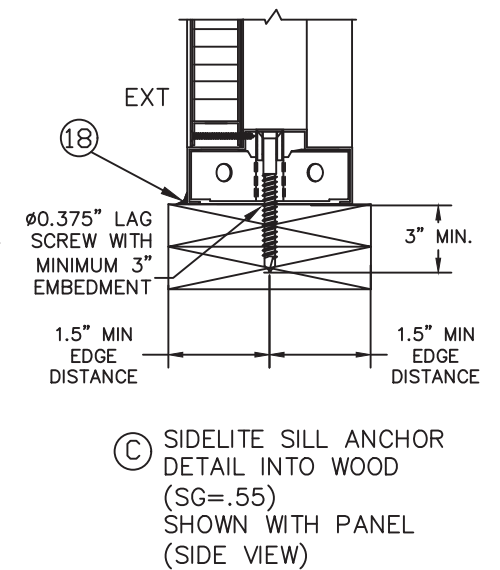
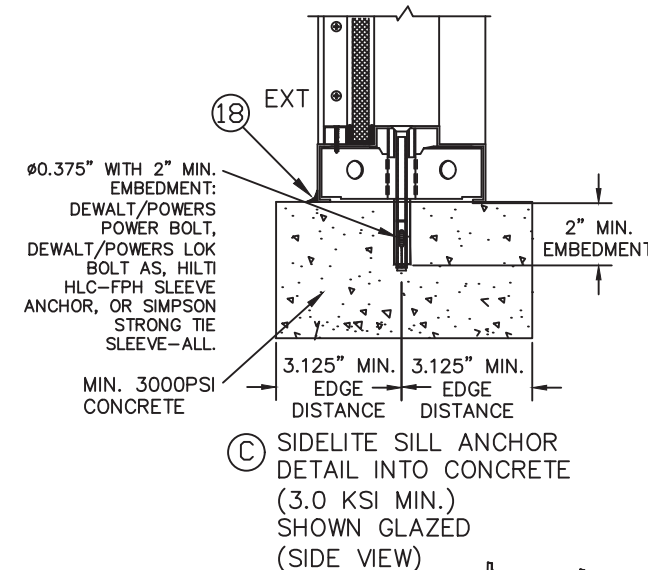
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0821.15

Expiration Date 05/05/2025

By *[Signature]*
Miami-Dade Product Control

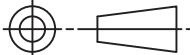
REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
B	APPROVAL DWG	YMF	01/06/05
D	REVISED DWG	JPD	08/30/13
E	REVISED DWG	JPD	03/11/15
F	REVISED DWG	JPD	05/05/15
G	EDR CHANGE	SIM	10/15/17
H	REVISED DWG	JPD	07/27/18
I	ADDRESS UPDATE	SM	02/27/20
J	2020 FBC UPDATE	NUS	07/03/20
K	STRIKE UPDATE	LL	04/06/22
L	2023 FBC UPDATE	DL	07/11/2023

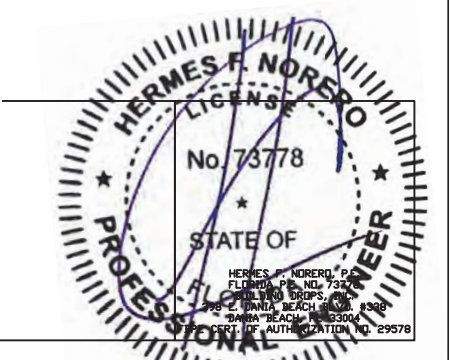


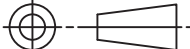
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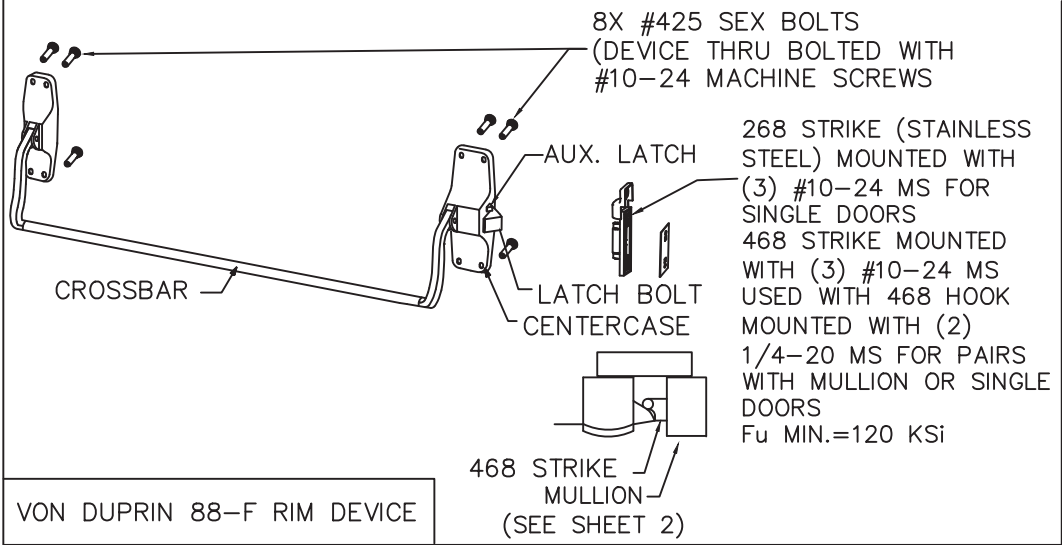
- WOOD STUD WALLS MUST BE DESIGNED TO MEET THE REQUIREMENTS OF THE BUILDING CODE AND MUST CARRY 320#/FT LOAD AND TO BE REVIEWED BY BUILDING OFFICIAL.
- NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM ON CENTER DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
- SEAL ALL JOINTS WHERE FRAME MEETS SUBSTRATE WITH BUTYL RUBBER OR 100% SILICONE CAULK
- INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR 100% SILICONE CAULK FULL LENGTH OF SILL

BEND RADIUS				SCHLAGE LOCK COMPANY, LLC		MANUFACTURING LOCATION:	
THIRD ANGLE PROJECTION				11819 N. PENNSYLVANIA STREET		STEELCRAFT	
DRAWN		DATE		CARMEL, IN 46032		9017 BLUE ASH ROAD	
YMF		02.25.03		TITLE		CINCINNATI, OH 45242	
CHECKED				STEELCRAFT H SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM & SIDELITE FRAME			
APPROVED		SIZE		FLAT		ANCHOR DETAILS / MOUNTING CONDITIONS	
ENG. APPVL				DWG NO.		REV	
				975W		SHEET 12 OF 19	
		SCALE:		NTS		AUTOCAD	
						L	

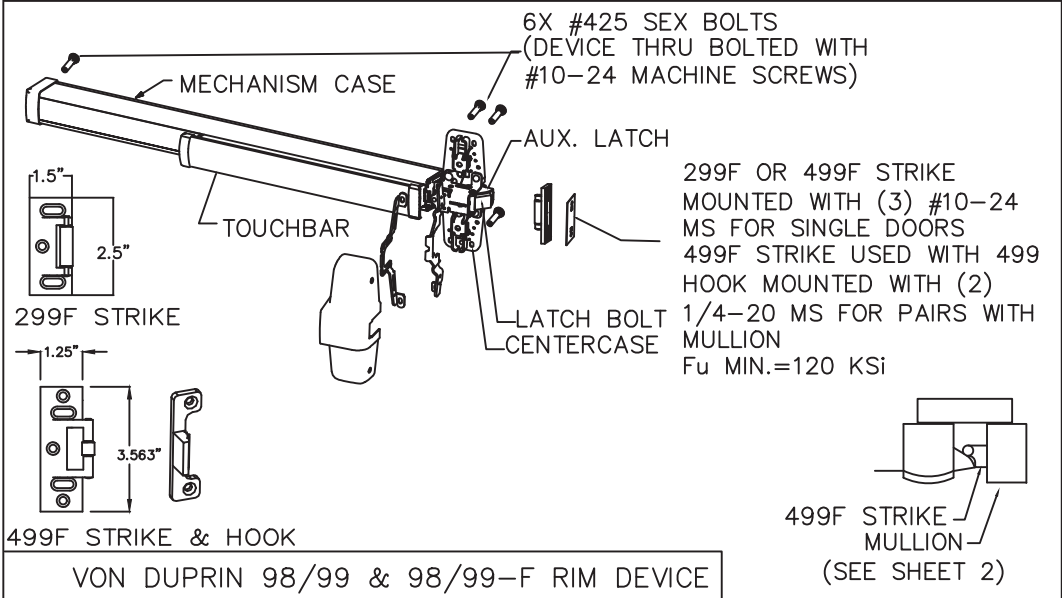
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F	REVISED DWG	JPD	05/05/15	
G	EOR CHANGE	SIM	10/15/17	
H	REVISED DWG	JPD	07/27/18	
I	ADDRESS UPDATE	SM	02/27/20	
K	STRIKE UPDATE	LL	04/06/22	
L	2023 FBC UPDATE	DL	07/11/23	



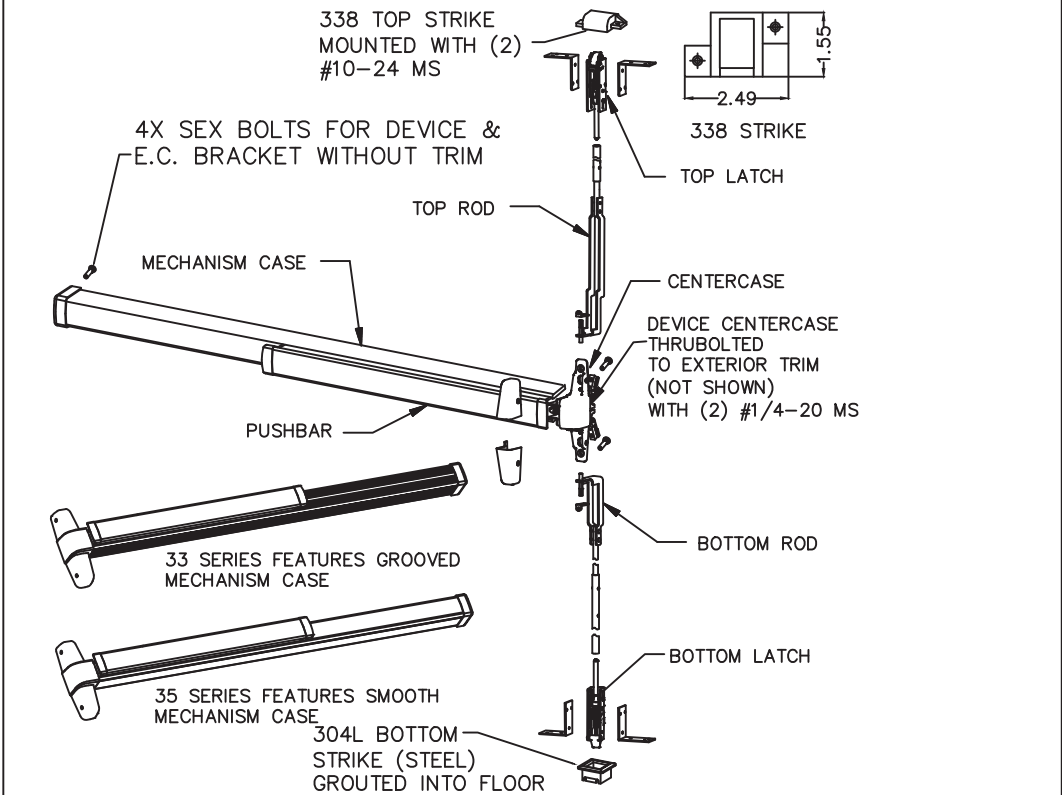
BEND RADIUS		SCHLAGE LOCK COMPANY, LLC		MANUFACTURING LOCATION:	
		11819 N. PENNSYLVANIA STREET		STEELCRAFT	
THIRD ANGLE PROJECTION		CARMEL, IN 46032		9017 BLUE ASH ROAD	
DRAWN		TITLE			
YMF		STEELCRAFT H SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM & SIDELITE FRAME			
DATE		ANCHOR DETAILS / MOUNTING CONDITIONS			
02.25.03					
CHECKED					
F					
APPROVED		SIZE	FLAT	DWG NO.	REV
				975W	SHEET 14 OF 19
ENG. APPVL		SCALE:	NTS	AUTOCAD	L



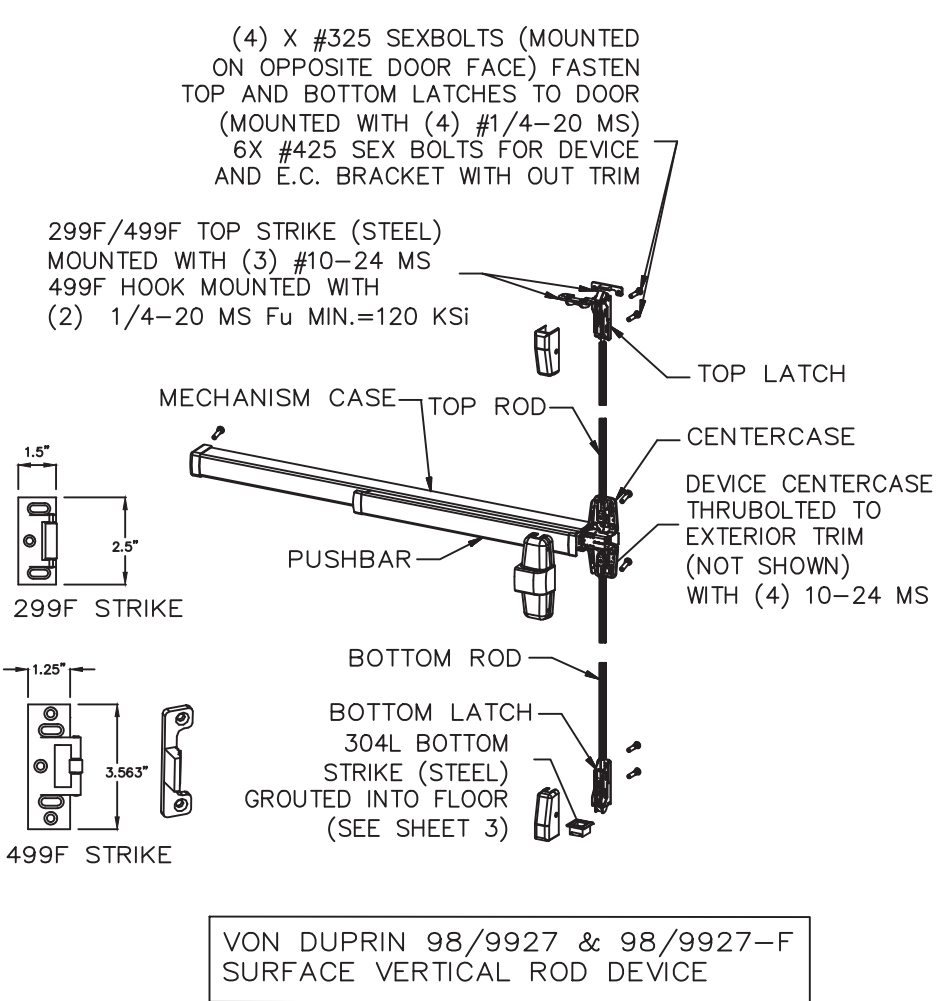
VON DUPRIN 88-F RIM DEVICE



VON DUPRIN 98/99 & 98/99-F RIM DEVICE



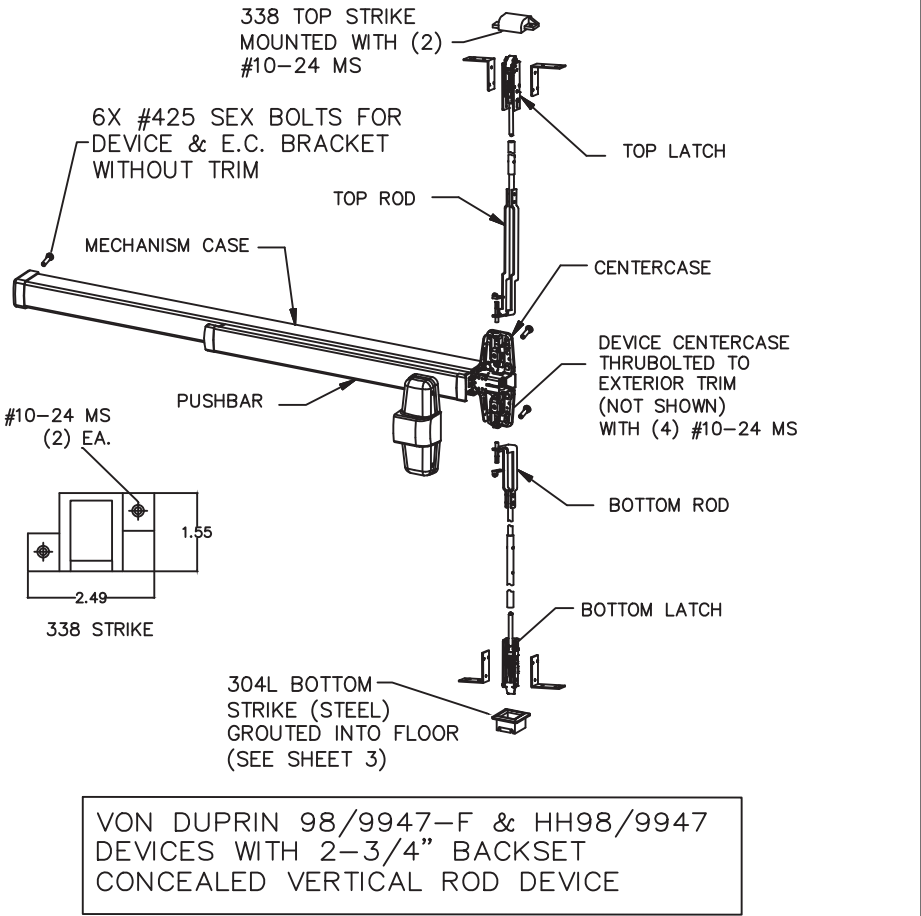
VON DUPRIN SERIES 3347A-F, 3547A-F, HH3337A, 3547A CONCEALED VERTICAL ROD EXIT DEVICE WITH 2-3/4" BACKSET



VON DUPRIN 98/9927 & 98/9927-F SURFACE VERTICAL ROD DEVICE


- NOTES:
1. FIRE RATING IS NOT PART OF THIS APPROVAL AND SHOULD BE REVIEWED AND APPROVED BY THE BUILDING OFFICIAL HAVING JURISDICTION.
 2. NO PANIC EXIT HARDWARE HAS BEEN TESTED WITH THE LATCH "DOGGED " IN THE RETRACTED POSITION.
 3. APPLICABLE EGRESS REQUIREMENTS OF PANIC EXIT DEVICES TO BE REVIEWED BY THE BUILDING OFFICIAL.

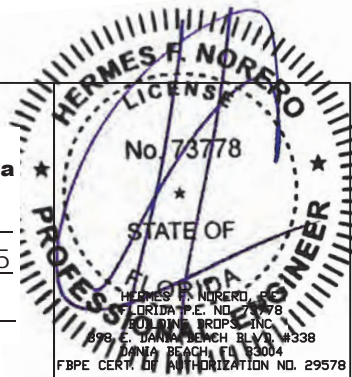
R E V I S I O N S				
LTR	DESCRIPTION		DATE	APPROVED
D	APPROVAL DWG	JPD	08/30/13	
E	REVISED	JPD	03/11/15	
G	EOR CHANGE	SIM	10/15/17	
H	REVISED DWG	JPD	07/27/18	
I	ADDRESS UPDATE	SM	02/27/20	
J	2020 FBC UPDATE	NUS	07/03/20	
L	2023 FBC UPDATE	OL	07/11/23	



VON DUPRIN 98/9947-F & HH98/9947 DEVICES WITH 2-3/4" BACKSET CONCEALED VERTICAL ROD DEVICE

- NOTES:
1. ELECTRIFIED AND FIRE RATED OPTIONS OF APPROVED HARDWARE ARE ACCEPTABLE. INSTALLATION AND APPLICATION IS UNDER SEPARATE APPROVAL AND IS REVIEWED BY THE CORRESPONDING AUTHORITY.
 2. EXIT HARDWARE OPTIONS:
FOR 98/99 SERIES - FUNCTIONS E, RX, LX, SS, EL, QEL, CX, F; TRIM: ALL APPLICABLE TRIMS AVAILABLE.
FOR 88-F SERIES - FUNCTION E; TRIM: ALL APPLICABLE TRIMS AVAILABLE. PN MODEL OFFERED.
FOR 33/35-F SERIES - FUNCTIONS RX, LX, EL, SS; TRIM: ALL APPLICABLE TRIMS AVAILABLE.

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0821.15
Expiration Date 05/05/2025
By 
Miami-Dade Product Control



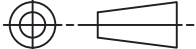
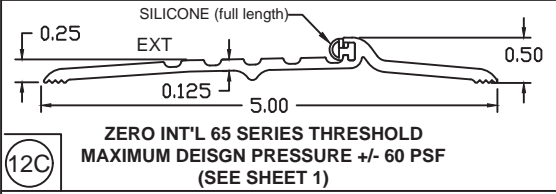
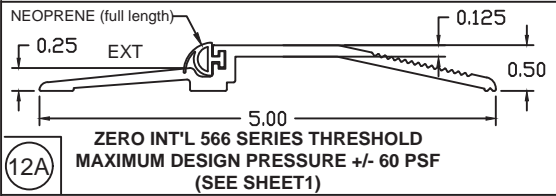
BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING LOCATION: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242		
						
THIRD ANGLE PROJECTION		TITLE STEELCRAFT H SERIES SINGLE AND DOUBLE DOORS WITH SIDELITE AND TRANSOM FRAMES EXIT DEVICE OPTIONS				
DRAWN JPD	DATE 12/06/12					
CHECKED						
APPROVED		SIZE	FLAT	DWG NO. 975W	SHEET 15 OF 19	REV L
ENG. APPVL		SCALE: NTS		AUTOCAD		

TABLE 4.1 NON WATER RATED PERIMETER SEAL HARDWARE - ZERO INT'L THRESHOLDS

ITEM NUMBER	MODEL No./ DESCRIPTION	MFG.
12	12A 566 THRESHOLD	ZERO INT'L
	12C 65 THRESHOLD	ZERO INT'L
14	14A PS074 DOOR SEAL	STEELCRAFT
	14B 188S DOOR SEAL	ZERO INT'L
	14C 117S DOOR SEAL	ZERO INT'L
	14D 8144S DOOR SEAL	ZERO INT'L
15	14E 8150S DOOR SEAL	ZERO INT'L
	15 FAS-SEAL SWEEP	STEELCRAFT
16	END CHANNEL	STEELCRAFT



ZERO INT'L 566 AND 65 THRESHOLD GASKETING SYSTEM REQUIREMENTS WHEN WATER INFILTRATION IS NOT REQUIRED

MAXIMUM DESIGN PRESSURE RATING 60 PSF FOR MAXIMUM DOOR SIZE OF 3'-0" X 7'-0"

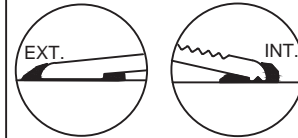
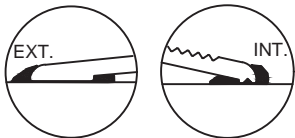
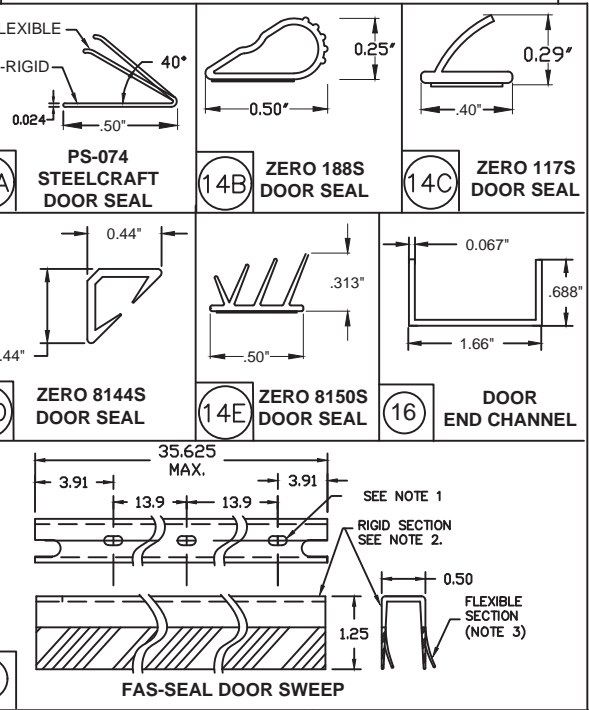
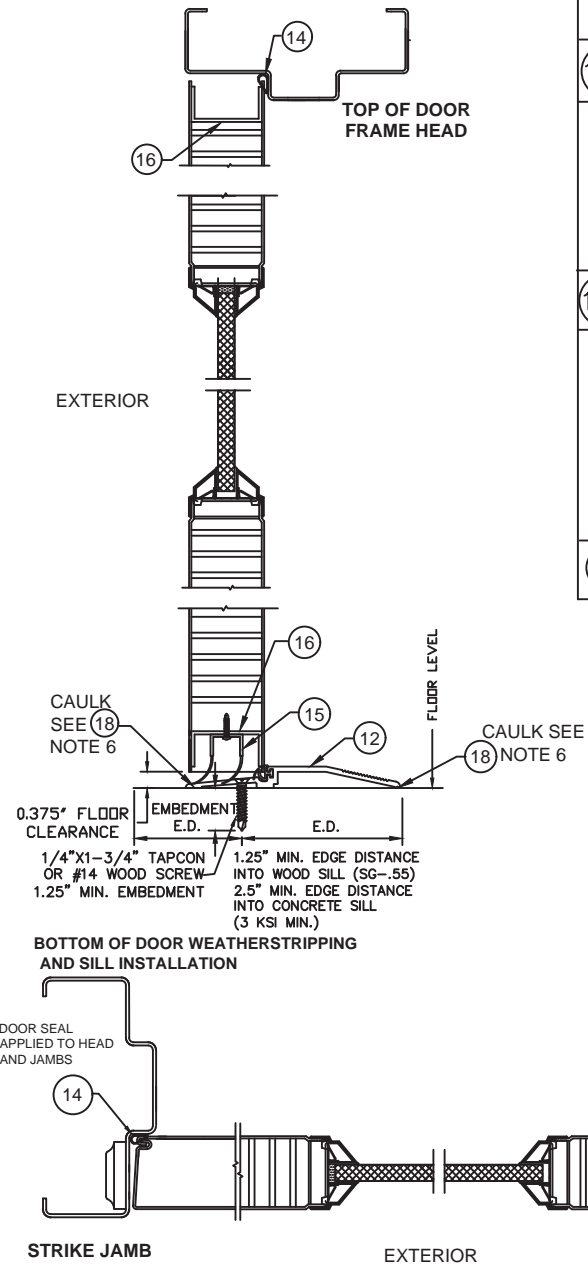
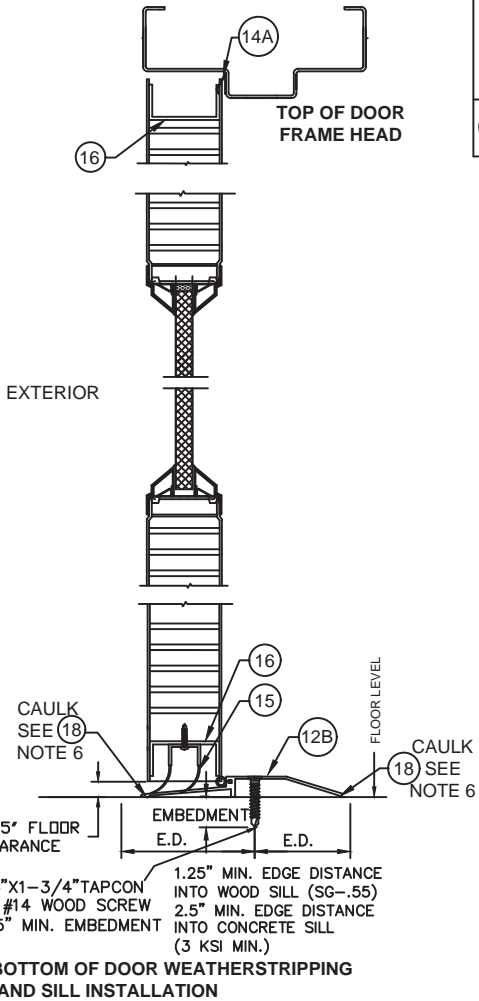
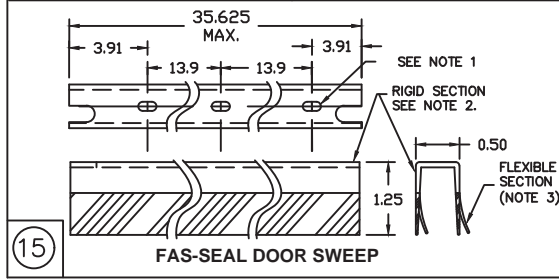
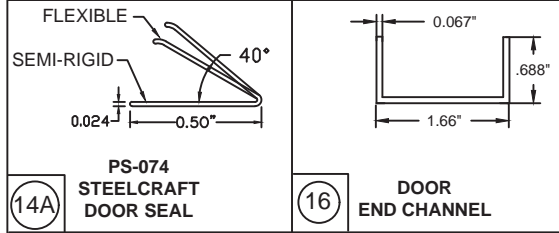
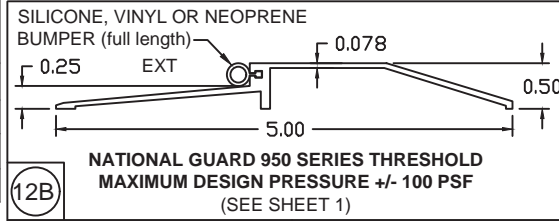


TABLE 4.2 NON WATER RATED PERIMETER SEAL HARDWARE - NGP THRESHOLD 950

ITEM NUMBER	MODEL No./ DESCRIPTION	MFG.
12B	950 THRESHOLD	NGP
14A	PS074 DOOR SEAL	STEELCRAFT
15	FAS-SEAL SWEEP	STEELCRAFT
16	END CHANNEL	STEELCRAFT


NGP 950 THRESHOLD GASKETING SYSTEM REQUIREMENTS WHEN WATER INFILTRATION IS NOT REQUIRED -

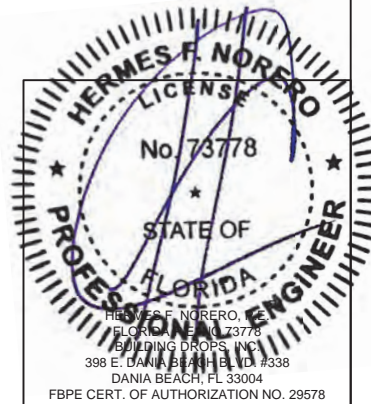
MAXIMUM DESIGN PRESSURE RATING 60 PSF FOR MAXIMUM DOOR SIZE OF 3'-0" X 7'-0"



SINGLE DOORS: NON WATER RATED THRESHOLD OPTIONS

- NOTES:
1. SLOT LOCATIONS ITEM #15 MAY VARY WITH DIFFERENT DOOR WIDTH.
 2. DOOR SWEEP (15) RIGID SECTION IS MADE OF PRO-FAX #PD-199 POLYPROPYLENE HOMOPOLYMER.
 3. DOOR SWEEP (15) FLEXIBLE SECTION IS MADE OF SANTOPRENE #101-73
 4. FAS-SEAL DOOR SWEEP (15), DOOR SEAL (14A, 14B, 14C, 14D, 14E) AND THRESHOLD (12A, 12B, 12C) AS APPLICABLE, ARE REQUIRED FOR ALL INSTALLATIONS.
 5. SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR 100% SILICONE CAULK
 6. INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR 100% SILICONE CAULK FULL LENGTH OF SILL

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 23-0821.15
Expiration Date 05/05/2025
By 
Miami-Dade Product Control



BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING LOCATION: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
THIRD ANGLE PROJECTION		DRAWN YMF		DATE 05/20/07	
CHECKED		APPROVED		TITLE: STEELCRAFT H SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM & SIDELITE FRAME	
ENG. APPVL JPD		DATE 10/11/07		SINGLE GLAZED DOOR PERIMETER SEAL HARDWARE APPROVED WHERE WATER INFILTRATION IS <u>NOT</u> REQUIRED	
SCALE: NTS		AUTOCAD		DWG NO. 975W	
SHEET 16 OF 19		REV L			

ITEM NUMBER	MODEL No./ DESCRIPTION		MFG.
12	12A	566 THRESHOLD	ZERO INT'L
	12C	65 THRESHOLD	ZERO INT'L
14	14A	PS074 DOOR SEAL	STEELCRAFT
	14B	188S DOOR SEAL	ZERO INT'L
	14C	117S DOOR SEAL	ZERO INT'L
	14D	8144S DOOR SEAL	ZERO INT'L
	14E	8150S DOOR SEAL	ZERO INT'L
15	FAS-SEAL SWEEP		STEELCRAFT
16	END CHANNEL		STEELCRAFT
17A	328 SPLIT ASTRAGAL		ZERO INT'L

12A

ZERO INT'L 566 SERIES THRESHOLD
MAXIMUM DESIGN PRESSURE +/- 60 PSF
(SEE SHEET 1)

NEOPRENE (full length)

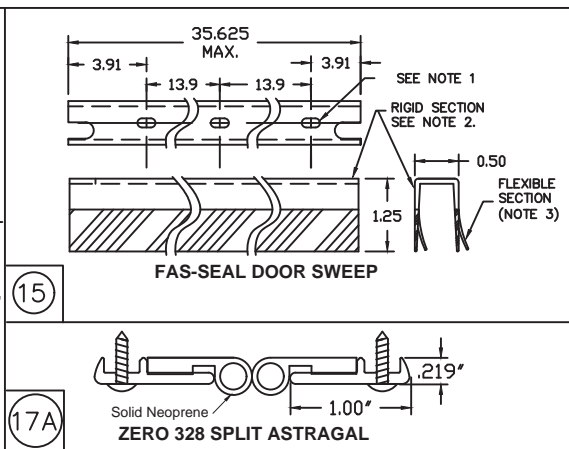
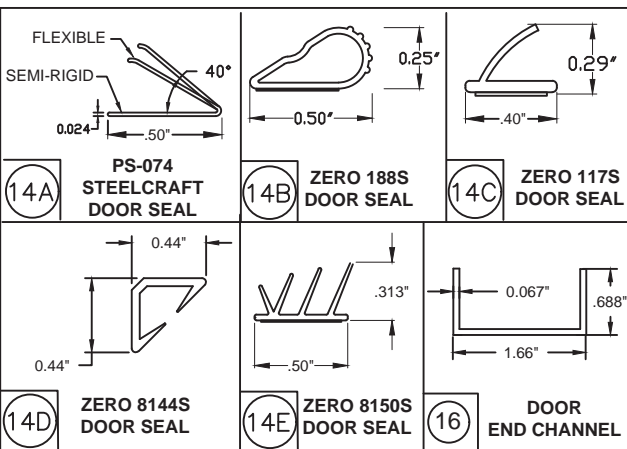
0.25 EXT 0.125 0.50 5.00

12C

ZERO INT'L 65 SERIES THRESHOLD
MAXIMUM DESIGN PRESSURE +/- 60 PSF
(SEE SHEET 1)

SILICONE (full length)

0.25 EXT 0.125 0.50 5.00



R E V I S I O N S					
LTR	DESCRIPTION			DATE	APPROVED
A	APPROVAL DWG	JPD	03/11/15		
B	E.D.R	CHANGE	LMS	08/21/16	
H	REVISED	DWG	JPD	07/27/18	
I	ADDRESS UPDATE	SM	02/27/20		
J	2020 FBC UPDATE	NUS	07/03/20		
K	STRIKE UPDATE	LL	04/06/22		
L	2023 FBC UPDATE	OL	07/11/23		

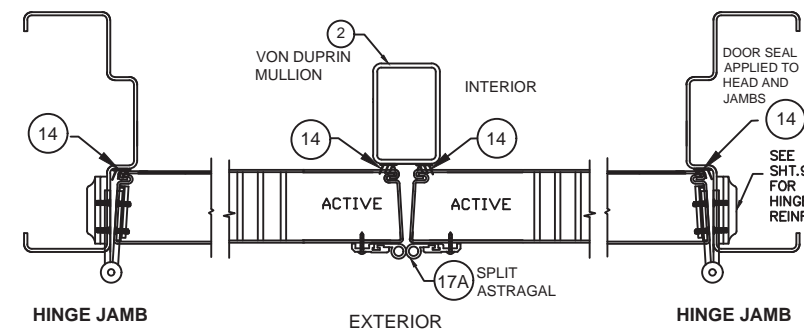
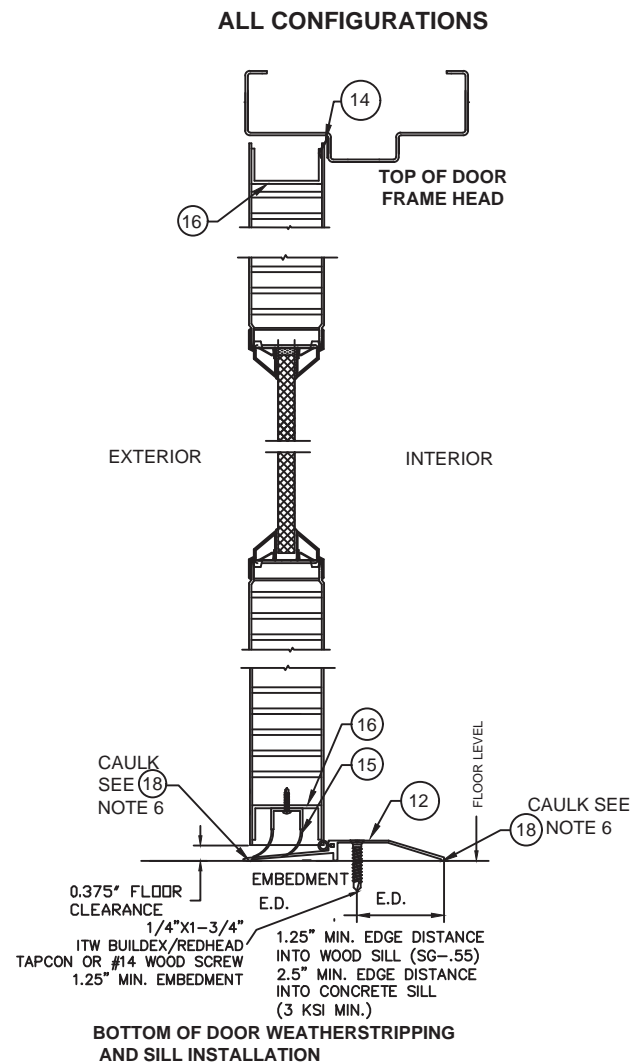


Diagram illustrating the hinge jamb and exterior components of a door assembly. The diagram shows a cross-section of the door frame and the door leaf. Key components labeled include:

- HINGE JAMB**: The vertical frame member on the left and right sides.
- EXTERIOR**: The outer surface of the door leaf.
- HINGE JAMB**: The vertical frame member on the right side.
- DOOR SEAL APPLIED TO HEAD AND JAMBS**: A seal applied to the top and side of the door frame.
- 14**: A circular callout indicating a specific detail or component.
- ACTIVE**: Two labels indicating the active components of the door assembly.
- 17A**: A circular callout indicating a specific detail or component.
- SPLIT ASTRAGAL**: A component used to secure the door leaf to the frame.
- SEE SHT. FOR HINGE REIN.**: A note indicating that the hinge reinforcement details are shown on a separate sheet.

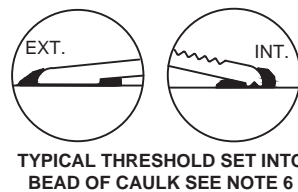
DOUBLE DOORS: NON WATER RATED ZERO INT'L THRESHOLD OPTIONS



HERMES F. NORERO
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

HERMES F. NORERO
LICENSE NO. 73778
BOULDER, COLORADO
306 DANA BEACH BLVD. #338
DANA BEACH FL 33004

FBPE CERT. OF AUTHORIZATION NO. 29578



- NOTES:
1. SLOT LOCATIONS ITEM #15 MAY VARY WITH DIFFERENT DOOR WIDTH.
 2. DOOR SWEEP(15) RIGID SECTION IS MADE OF PRO-FAX #PD-199 POLYPROPYLENE HOMOPOLYMER.
 3. DOOR SWEEP (15) FLEXIBLE SECTION IS MADE OF SANTOPRENE #101-73
 4. FAS-SEAL DOOR SWEEP (15), DOOR SEAL (14A, 14B, 14C, 14D, 14E) AND THRESHOLD (12A, 12C) AS APPLICABLE, ARE REQUIRED FOR ALL INSTALLATIONS.
 5. SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR 100% SILICONE CAULK
 6. INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR 100% SILICONE CAULK FULL LENGTH OF SILL

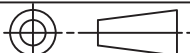
BEND RADIUS		<div>SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032</div>		<div>MANUFACTURING LOCATION: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242</div>		
						
THIRD ANGLE PROJECTION		TITLE: STEELCRAFT H SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM & SIDELITE FRAME				
DRAWN YMF	DATE 05/20/07	DOUBLE GLAZED DOOR PERIMETER SEAL ZERO INT'L HARDWARE APPROVED WHERE WATER INFILTRATION IS <u>NOT</u> REQUIRED				
CHECKED						
APPROVED		SIZE	FLAT	DWG NO. 975W	SHEET 17 OF 19	REV L
ENG. APPVL JPD	10/11/07	SCALE:	NTS	AUTOCAD		

TABLE 4.2 NON WATER RATED PERIMETER SEAL HARDWARE - NGP THRESHOLD

ITEM NUMBER	MODEL No./ DESCRIPTION	MFG.
12B	950 THRESHOLD	NGP
14A	PS074 DOOR SEAL	STEELCRAFT
15	FAS-SEAL SWEEP	STEELCRAFT
16	END CHANNEL	STEELCRAFT
17B	137 SPLIT ASTRAGAL	NGP

NGP 950 THRESHOLD GASKETING SYSTEM REQUIREMENTS WHEN WATER INFILTRATION IS NOT REQUIRED - MAXIMUM DESIGN PRESSURE 60 PSF FOR MAXIMUM DOOR SIZE OF 3'-0" X 7'-0" (6'-0" X 7'-0" PAIR)

12B NATIONAL GUARD 950 SERIES THRESHOLD
MAXIMUM DESIGN PRESSURE +/- 60 PSF (SEE SHEET 1)

14A PS-074 STEELCRAFT DOOR SEAL

16 DOOR END CHANNEL

15 FAS-SEAL DOOR SWEEP

17B NGP 137 SPLIT ASTRAGAL

FOR CONFIGURATIONS: RIM EXIT DEVICE WITH HARDWARE MULLION

FOR CONFIGURATIONS: SURFACE OR CONCEALED VERTICAL ROD EXIT DEVICES

DOUBLE DOORS: NON WATER RATED NGP THRESHOLD OPTION

TYPICAL THRESHOLD SET INTO BEAD OF CAULK SEE NOTE 6

NOTES:

- SLOT LOCATIONS ITEM #15 MAY VARY WITH DIFFERENT DOOR WIDTH.
- DOOR SWEEP (15) RIGID SECTION IS MADE OF PRO-FAX #PD-199 POLYPROPYLENE HOMOPOLYMER.
- DOOR SWEEP (15) FLEXIBLE SECTION IS MADE OF SANTOPRENE #101-73
- FAS-SEAL DOOR SWEEP (15), DOOR SEAL (14A) AND THRESHOLD (12B) AS APPLICABLE, ARE REQUIRED FOR ALL INSTALLATIONS.
- SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR 100% SILICONE CAULK
- INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR 100% SILICONE CAULK FULL LENGTH OF SILL

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWG	JPD 03/11/15	
B	EDR CHANGE	SIM 08/21/16	
H	REVISED DWG	JPD 07/27/18	
I	ADDRESS UPDATE	SM 02/27/20	
J	2020 FBC UPDATE	NUS 07/03/20	
K	STRIKE UPDATE	LL 04/06/22	
L	2023 FBC UPDATE	DL 07/11/23	

ALL CONFIGURATIONS

CAULK SEE (18) NOTE 6

0.375" FLOOR CLEARANCE

1/4"x1-3/4" ITW BUILDEX/REDHEAD TAPCON OR #14 WOOD SCREW 1.25" MIN. EMBEDMENT

1.25" MIN. EDGE DISTANCE INTO WOOD SILL (SG-.55)

2.5" MIN. EDGE DISTANCE INTO CONCRETE SILL (3 KSI MIN.)

EMBODMENT E.D.

FLOOR LEVEL

CAULK SEE (18) NOTE 6

BOTTOM OF DOOR WEATHERSTRIPPING AND SILL INSTALLATION

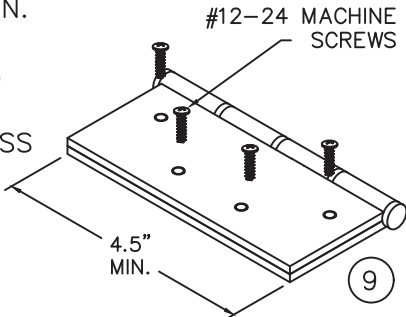
BEND RADIUS		THIRD ANGLE PROJECTION	
DRAWN	DATE	TITLE: STEELCRAFT H SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM & SIDELITE FRAME	
YMF	05/20/07	DOUBLE GLAZED DOOR PERIMETER NGP SEAL HARDWARE APPROVED WHERE WATER INFILTRATION IS NOT REQUIRED	
CHECKED			
APPROVED		SIZE	FLAT
ENG. APPVL		DWG NO. 975W	
JPD	10/11/07	SHEET 18 OF 19	
		SCALE: 1 NTS	AUTOCAD

MANUFACTURING LOCATION: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242

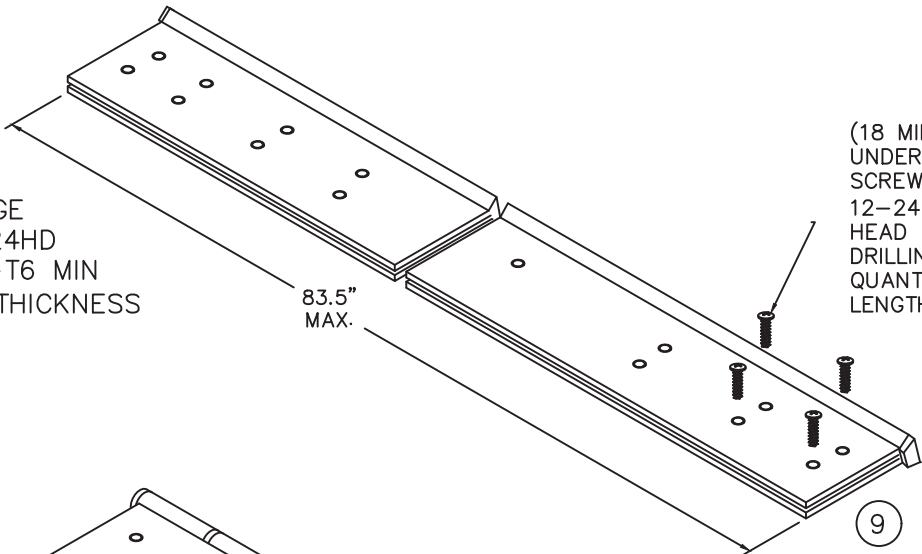
HERMES F. NORERO LICENSE No. 73778 STATE OF FLORIDA PROFESSIONAL ENGINEER

HERMES F. NORERO, P.E. NO. 73778 B.S. IN CIVIL ENGINEERING 1988 DANIA BEACH, FL 33404 FBPE CERT. OF AUTHORIZATION NO. 29578

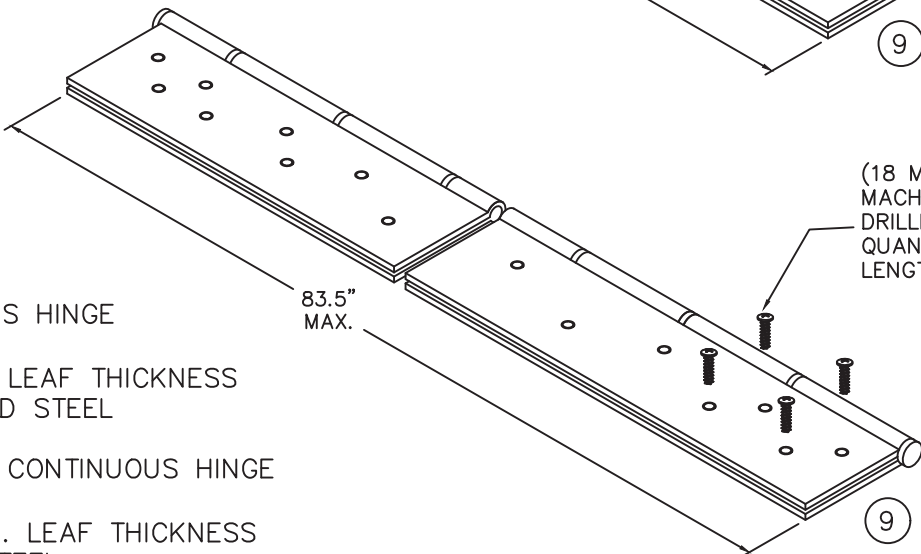
STEEL BUTT HINGE
4.5" X 4.5" STD. WT. MIN.
IVES 5BB1/3CB1
STANLEY FBB179/CB1900
HAGER 1279
.134" MIN. LEAF THICKNESS
Fy MIN. = 36ksi



HEAVY DUTY
CONTINUOUS HINGE
IVES 112HD & 224HD
ALUMINUM 6036-T6 MIN
.110" MIN. LEAF THICKNESS



STEEL CONTINUOUS HINGE
IVES 600
.075 MIN. (14GA) LEAF THICKNESS
1012 COLD ROLLED STEEL
Fy MIN. 45ksi
STAINLESS STEEL CONTINUOUS HINGE
IVES 700, 700CS
.075" (14Ga.) MIN. LEAF THICKNESS
304 STAINLESS STEEL
Fy MIN. 31ksi



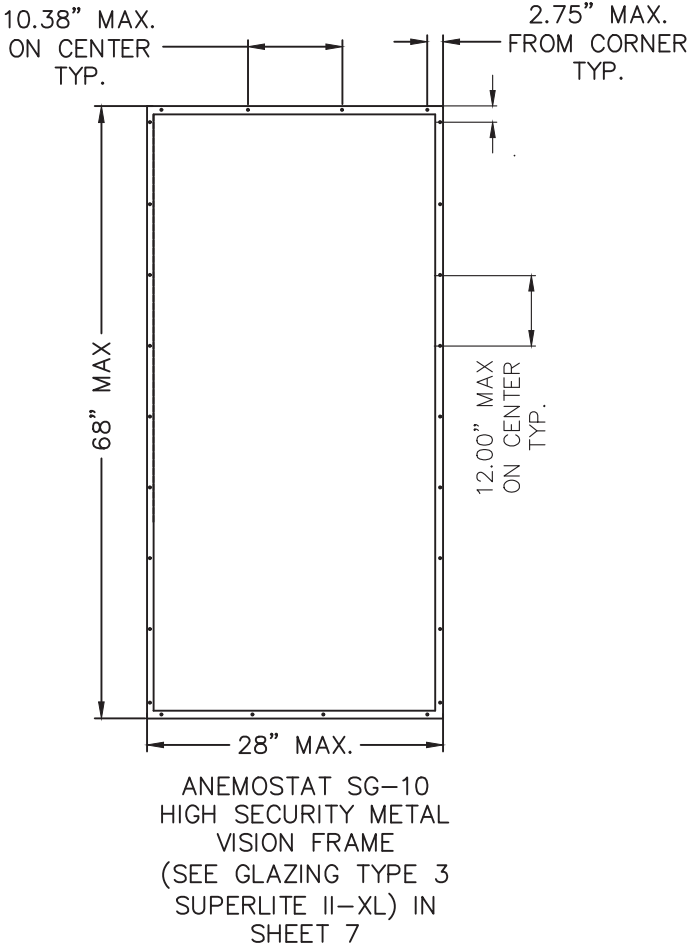
CONTINUOUS HINGE NOTES:
1. QUANTITY OF SCREWS VARIES PER HINGE LENGTH,
MANUFACTURER AND MODEL NUMBER
2. SCREW SPACING VARIES PER HINGE LENGTH,
MANUFACTURER AND MODEL NUMBER
3. INSTALL HINGES PER THE MANUFACTURERS INSTALLATION
INSTRUCTIONS AND ELEVATION SHEET 1 (NOTE 3).

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0821.15
Expiration Date 05/05/2025
By Miami-Dade Product Control



REVISIONS

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A	APPROVAL DWGS.	03/11/15	
G	EOR CHANGE	SIM 10/15/17	
H	REVISION	JPD 07/27/18	
I	ADDRESS UPDATE	SM 02/27/20	
J	2020 FBC UPDATE	NUS 07/03/20	
K	STRIKE UPDATE	LL 04/06/22	
L	2023 FBC UPDATE	OL 07/11/23	



NOTES:

1. HARDWARE INSTALLATION IS PER MANUFACTURER'S INSTRUCTIONS AS SPECIFIED
IN THE DRAWING.

BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING LOCATION: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
THIRD ANGLE PROJECTION		TITLE		STEELCRAFT H SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM & SIDELITE FRAME HINGE OPTIONS	
DRAWN YMF	DATE 03/11/15	H-SERIES FG SINGLE AND 6070 DOUBLE OPENING FULL GLAZED CONFIGURATION W/SIDE AND TRANSOM LITES/PANEL			
CHECKED					
APPROVED		SIZE	FLAT	DWG NO. 975W	SHEET 19 OF 19
ENG. APPVL		SCALE: NTS		AUTOCAD	